

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF032619\  
 Data File : BF113314.D  
 Acq On : 27 Mar 2019 2:17  
 Operator : JU/SJ  
 Sample : K2095-01  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 72-11976

Quant Time: Mar 27 05:04:09 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

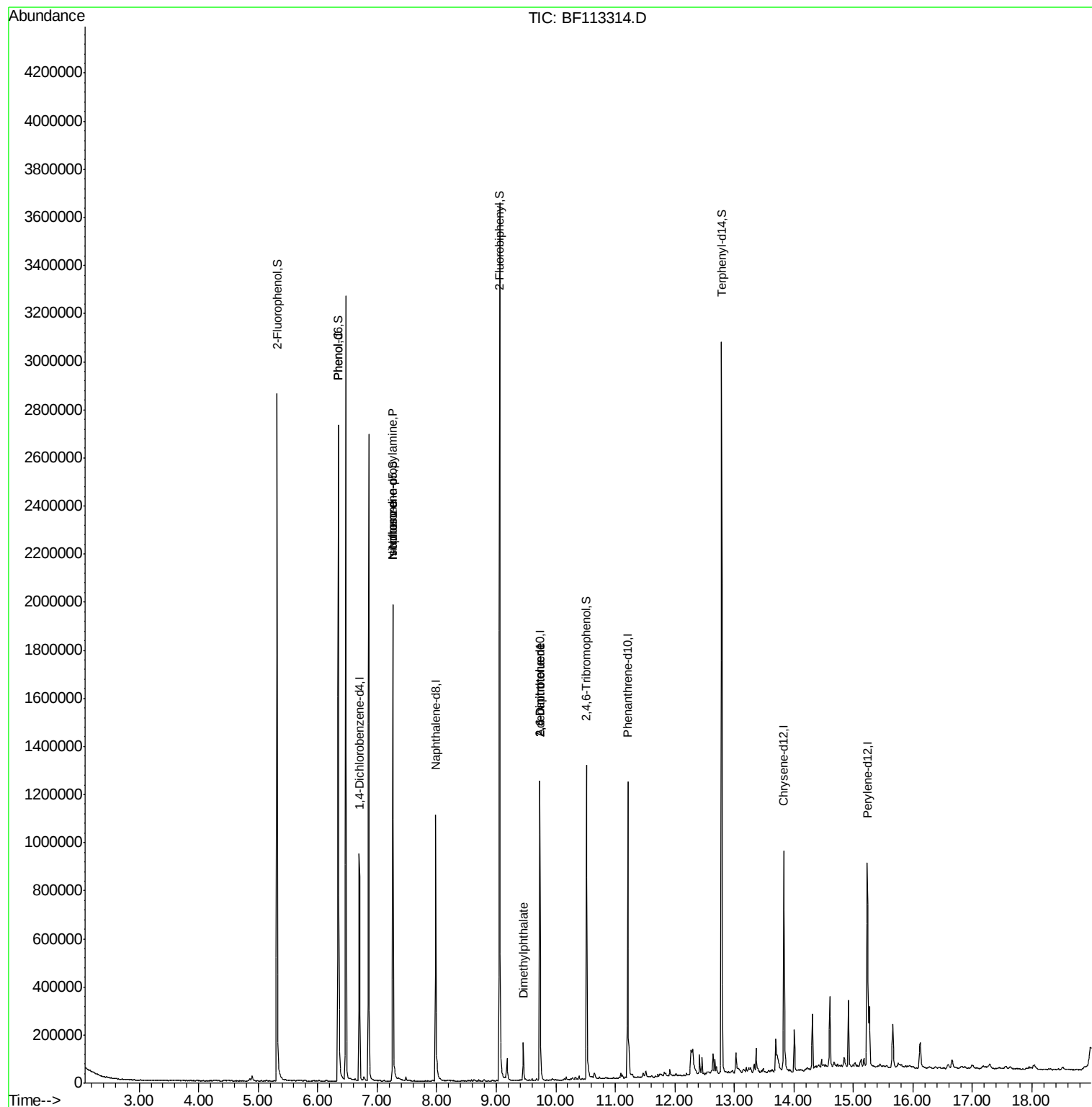
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.70  | 152  | 151025   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 7.98  | 136  | 568461   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 9.73  | 164  | 264634   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 11.21 | 188  | 484164   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 13.83 | 240  | 330732   | 20.00  | ng    | -0.01    |
| 87) Perylene-d12               | 15.23 | 264  | 416382   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.32  | 112  | 856247   | 92.70  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.35  | 99   | 1090006  | 93.29  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.26  | 82   | 660665   | 68.98  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 10.52 | 330  | 194388   | 59.47  | ng    | -0.01    |
| 45) 2-Fluorobiphenyl           | 9.06  | 172  | 1245654  | 70.84  | ng    | 0.00     |
| 79) Terphenyl-d14              | 12.79 | 244  | 1059209  | 70.59  | ng    | -0.01    |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 6.36  | 94   | 74816    | 5.609  | ng    | # 75     |
| 19) n-Nitroso-di-n-propylamine | 7.26  | 70   | 85004    | 11.582 | ng    | # 76     |
| 25) Isophorone                 | 7.26  | 82   | 654191   | 35.246 | ng    | # 64     |
| 50) Dimethylphthalate          | 9.45  | 163  | 79382    | 4.048  | ng    | # 98     |
| 51) 2,6-Dinitrotoluene         | 9.73  | 165  | 34262    | 7.744  | ng    | # 26     |
| 57) 2,4-Dinitrotoluene         | 9.73  | 165  | 34262    | 6.090  | ng    | # 23     |

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

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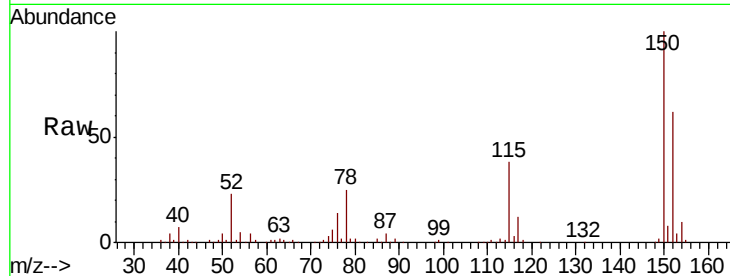


#1

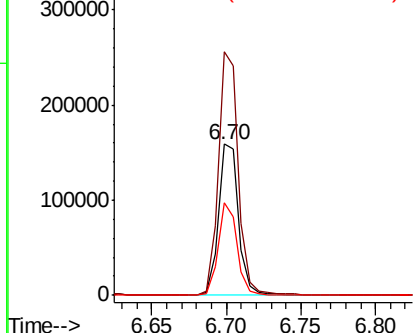
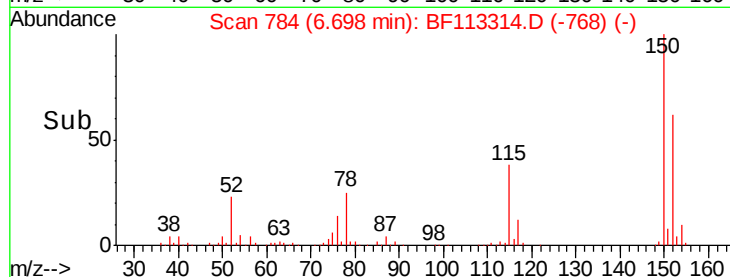
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.70 min Scan# 784  
 Delta R.T. -0.01 min  
 Lab File: BF113314.D  
 Acq: 27 Mar 2019 2:17

Instrument :  
 BNA\_F  
 ClientSampleId :  
 72-11976

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 160.8 | 124.7 | 187.1 |
| 115     | 60.9  | 46.0  | 69.0  |



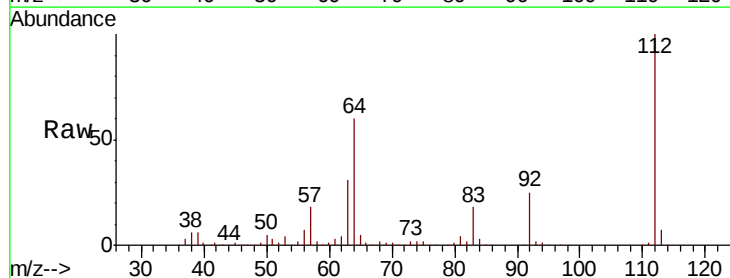
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



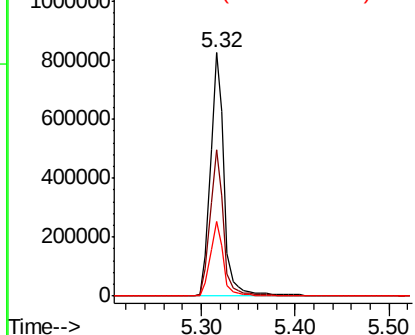
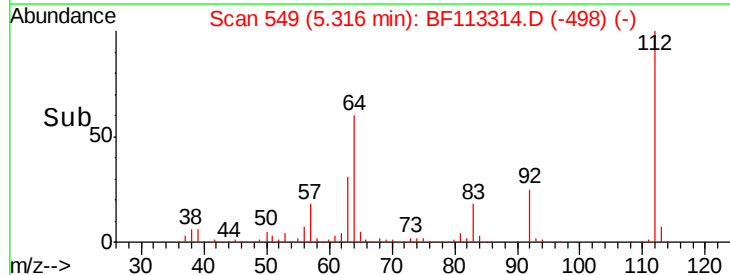
#5

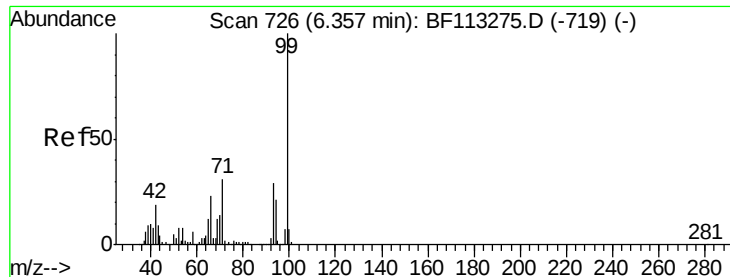
2-Fluorophenol  
 Concen: 92.704 ng  
 RT: 5.32 min Scan# 549  
 Delta R.T. 0.00 min  
 Lab File: BF113314.D  
 Acq: 27 Mar 2019 2:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 60.3  | 49.2  | 73.8  |
| 63      | 30.9  | 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: 93.287 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF113314.D

Acq: 27 Mar 2019 2:17

Instrument :

BNA\_F

ClientSampleId :

72-11976

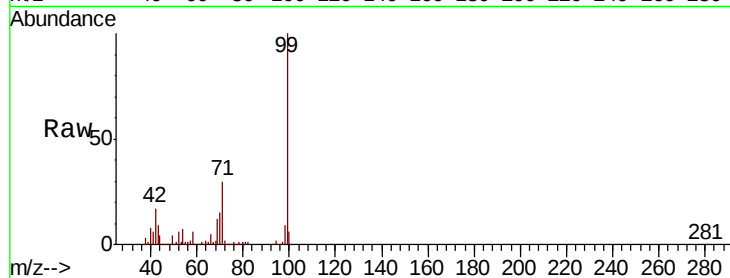
Tgt Ion: 99 Resp: 1090006

Ion Ratio Lower Upper

99 100

42 17.5 14.8 22.2

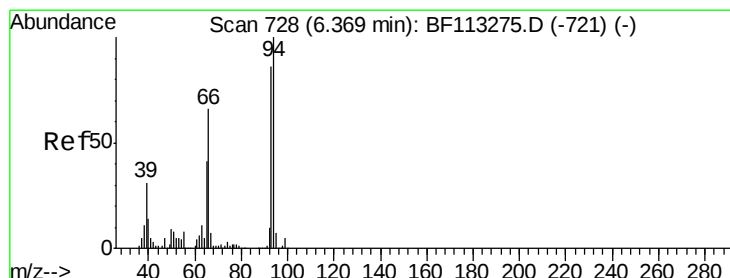
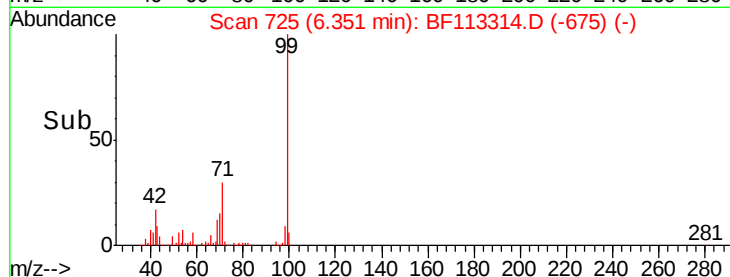
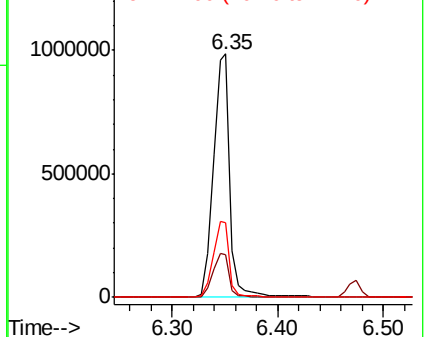
71 30.5 24.9 37.3



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



#10

Phenol

Concen: 5.609 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF113314.D

Acq: 27 Mar 2019 2:17

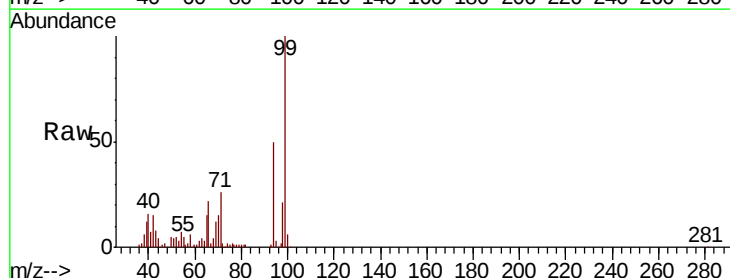
Tgt Ion: 94 Resp: 74816

Ion Ratio Lower Upper

94 100

65 30.1 21.4 61.4

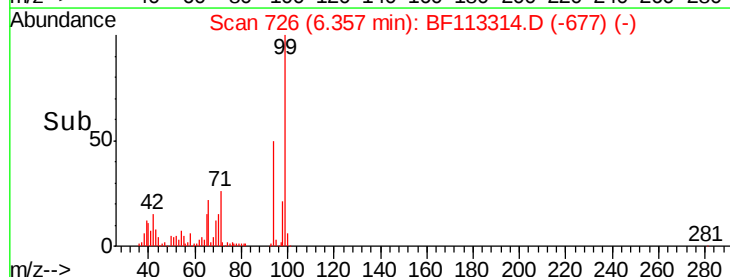
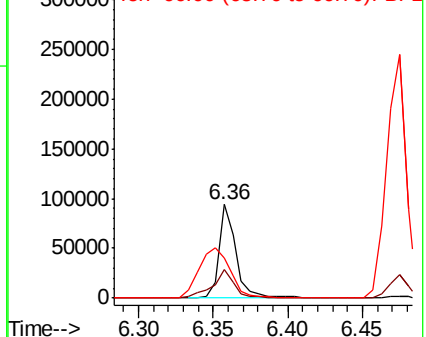
66 43.2 46.4 86.4#

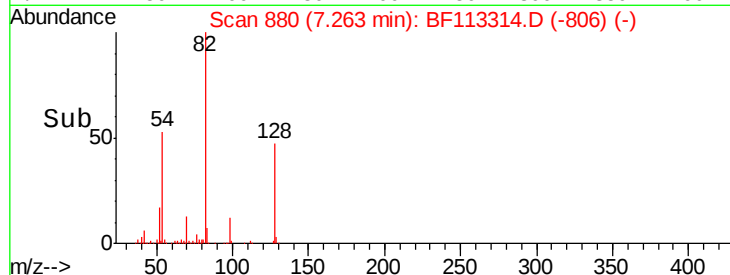
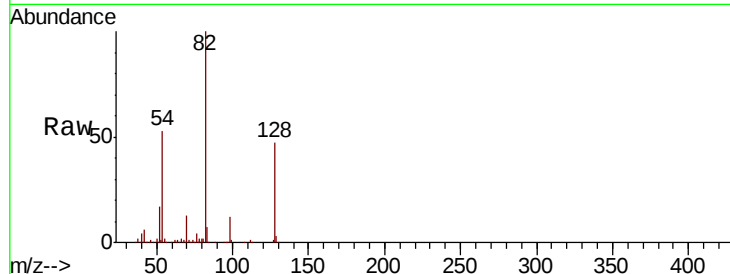
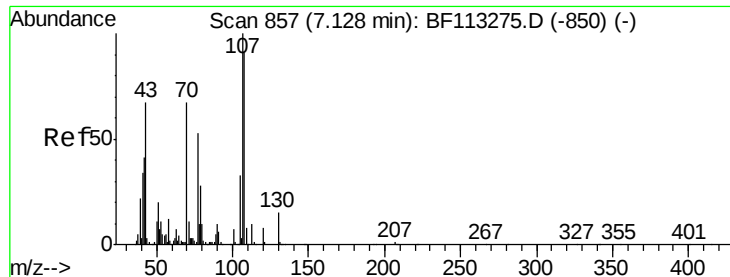


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

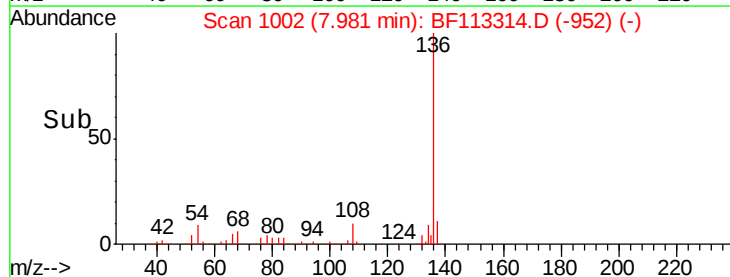
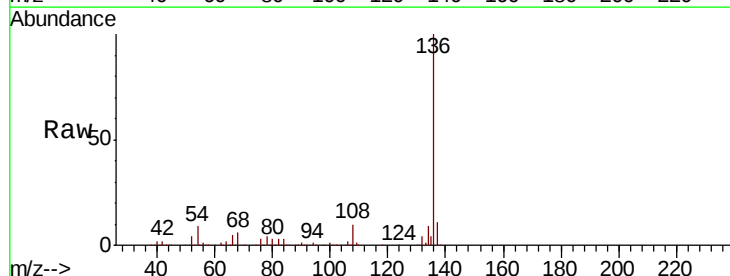
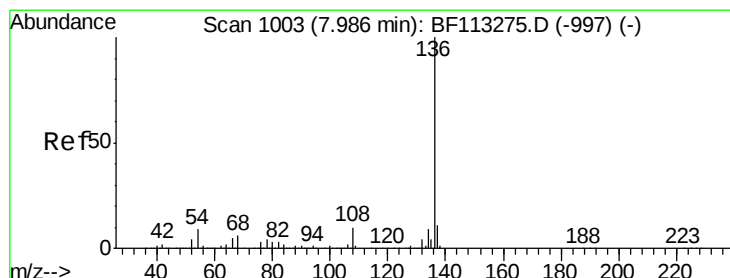
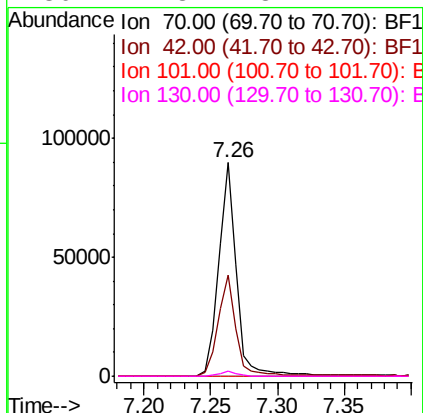




#19  
n-Nitroso-di-n-propylamine  
Concen: 11.582 ng  
RT: 7.26 min Scan# 880  
Delta R.T. 0.14 min  
Lab File: BF113314.D  
Acq: 27 Mar 2019 2:17

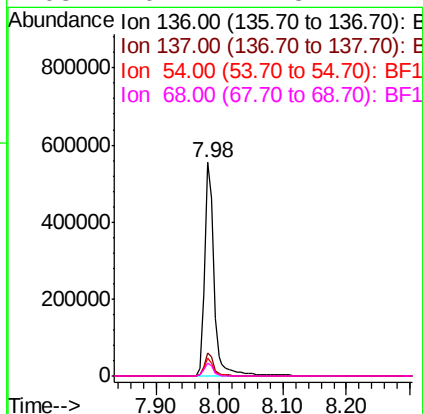
Instrument :  
BNA\_F  
ClientSampled :  
72-11976

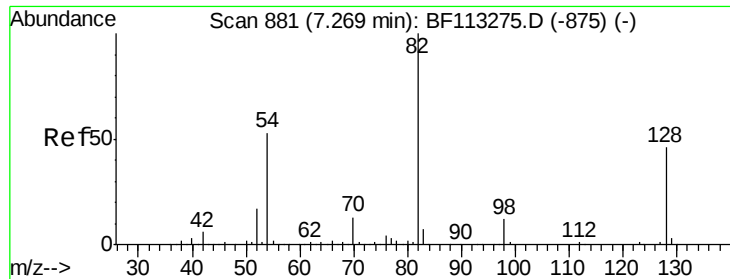
Tgt Ion: 70 Resp: 85004  
Ion Ratio Lower Upper  
70 100  
42 47.6 48.4 72.6#  
101 0.0 7.8 11.8#  
130 2.3 18.2 27.4#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 7.98 min Scan# 1002  
Delta R.T. -0.01 min  
Lab File: BF113314.D  
Acq: 27 Mar 2019 2:17

Tgt Ion: 136 Resp: 568461  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.9 13.3  
54 8.6 7.0 10.6  
68 6.2 4.8 7.2

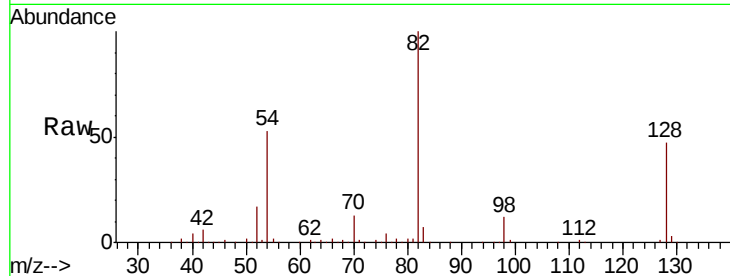




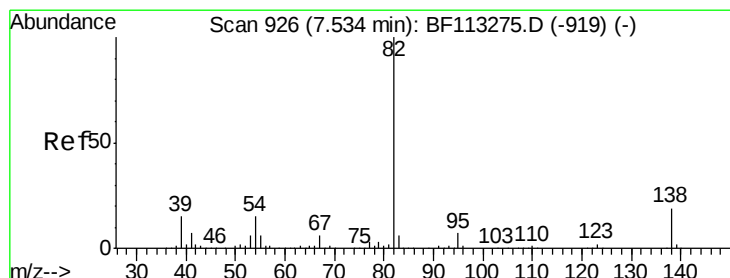
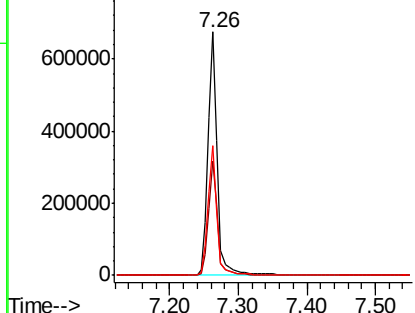
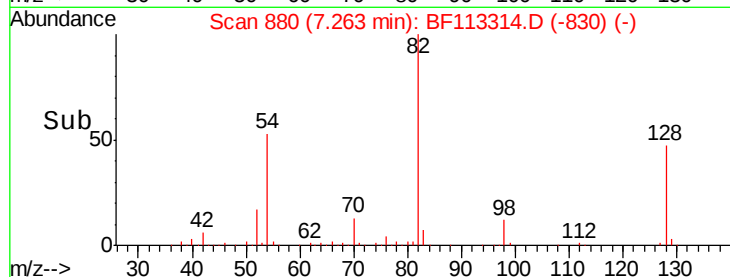
#23  
Nitrobenzene-d5  
Concen: 68.981 ng  
RT: 7.26 min Scan# 880  
Delta R.T. -0.01 min  
Lab File: BF113314.D  
Acq: 27 Mar 2019 2:17

Instrument :  
BNA\_F  
ClientSampleId :  
72-11976

Tgt Ion: 82 Resp: 660665  
Ion Ratio Lower Upper  
82 100  
128 47.0 36.5 54.7  
54 53.5 42.2 63.2

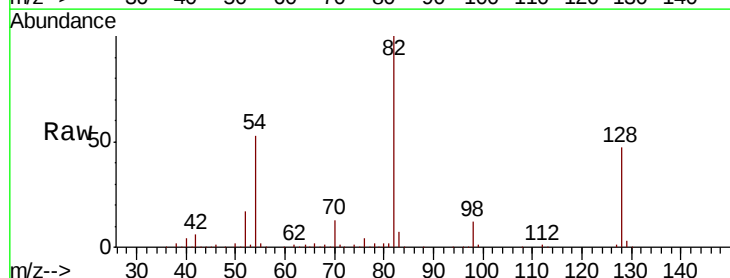


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1

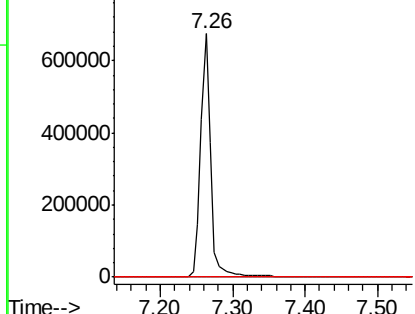
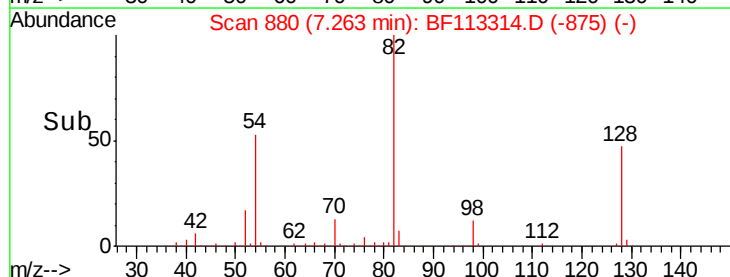


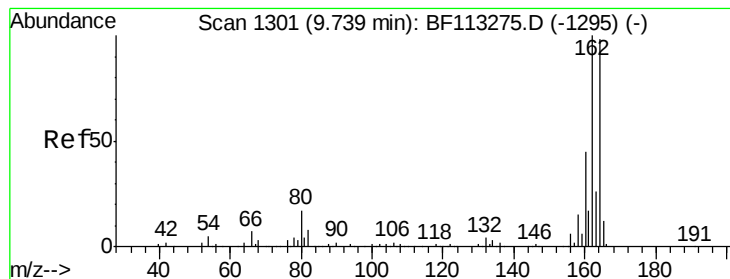
#25  
Isophorone  
Concen: 35.246 ng  
RT: 7.26 min Scan# 880  
Delta R.T. -0.27 min  
Lab File: BF113314.D  
Acq: 27 Mar 2019 2:17

Tgt Ion: 82 Resp: 654191  
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: BF113314.D

Acq: 27 Mar 2019 2:17

Instrument :

BNA\_F

ClientSampleId :

72-11976

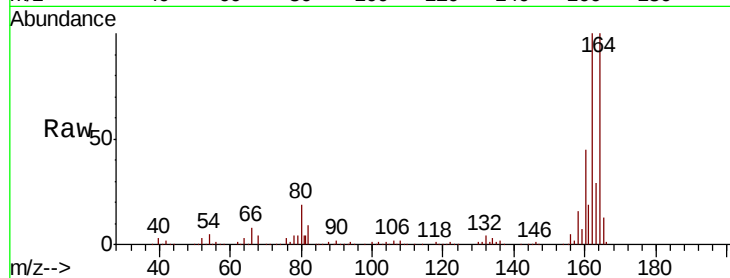
Tgt Ion:164 Resp: 264634

Ion Ratio Lower Upper

164 100

162 100.0 81.8 122.6

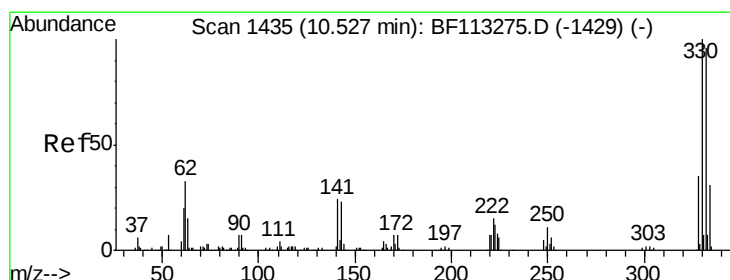
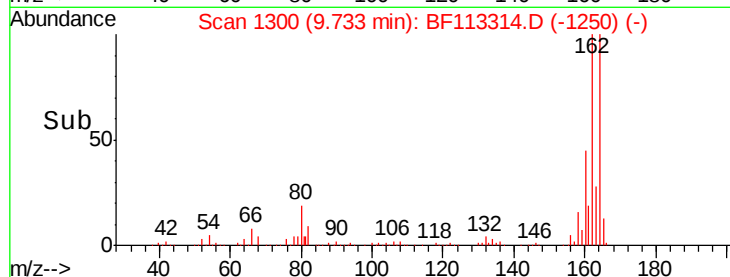
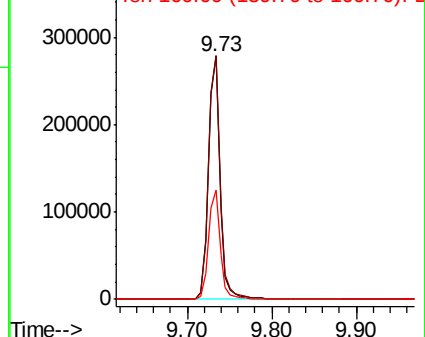
160 44.7 36.4 54.6



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: 59.467 ng

RT: 10.52 min Scan# 1433

Delta R.T. -0.01 min

Lab File: BF113314.D

Acq: 27 Mar 2019 2:17

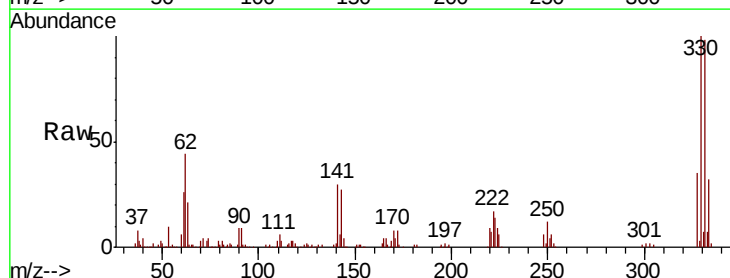
Tgt Ion:330 Resp: 194388

Ion Ratio Lower Upper

330 100

332 96.4 77.8 116.6

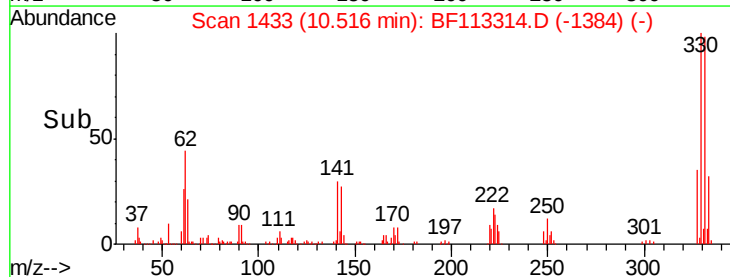
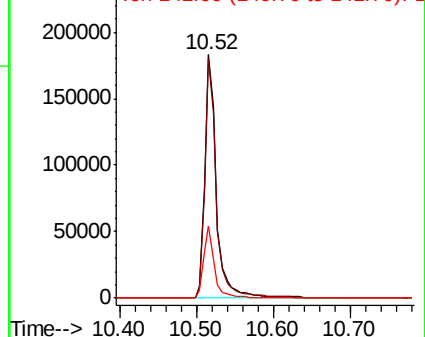
141 27.8 22.7 34.1

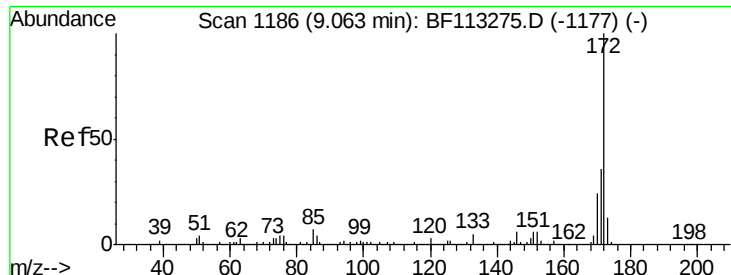


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

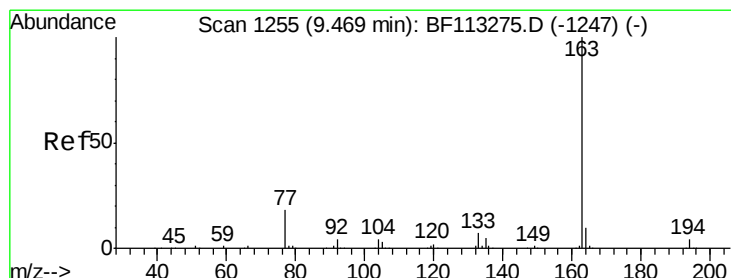
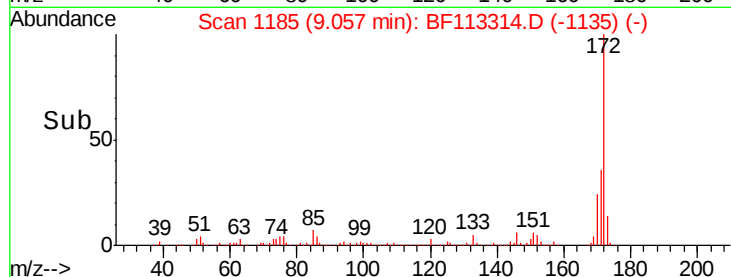
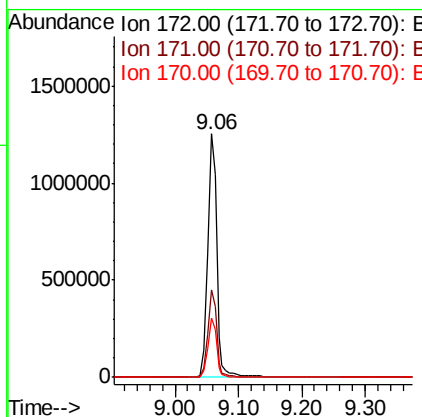
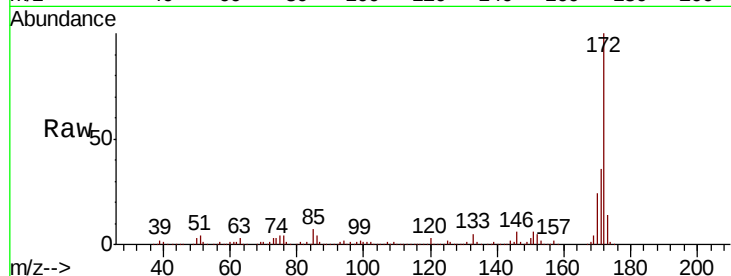




#45  
2-Fluorobiphenyl  
Concen: 70.838 ng  
RT: 9.06 min Scan# 1185  
Delta R.T. -0.01 min  
Lab File: BF113314.D  
Acq: 27 Mar 2019 2:17

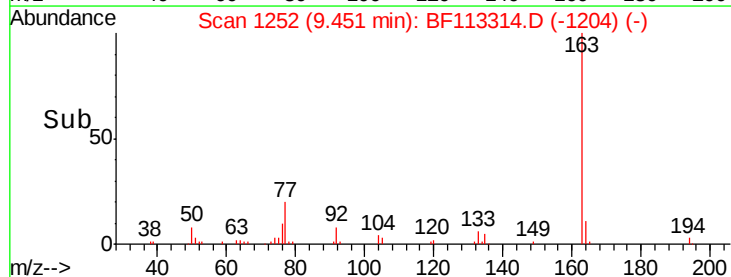
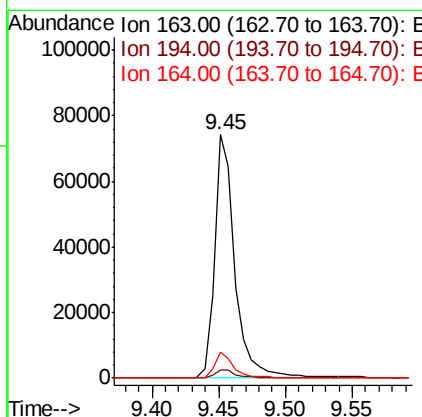
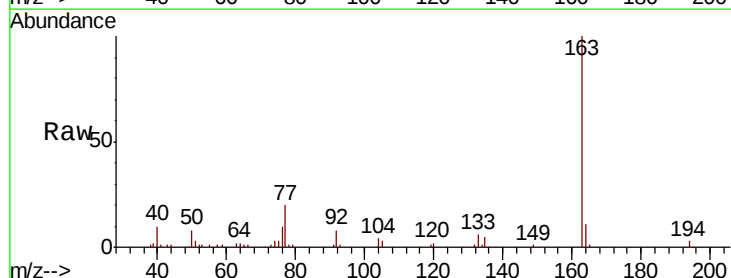
Instrument :  
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72-11976

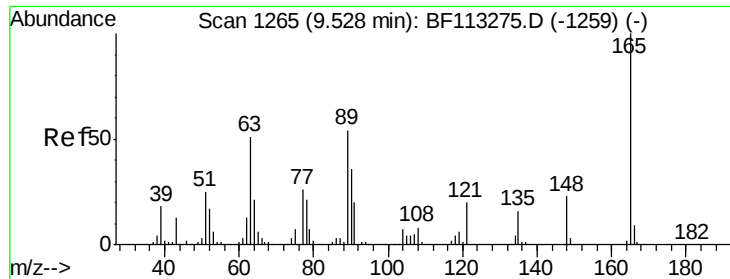
Tgt Ion:172 Resp: 1245654  
Ion Ratio Lower Upper  
172 100  
171 36.1 29.0 43.6  
170 24.1 19.5 29.3



#50  
Dimethylphthalate  
Concen: 4.048 ng  
RT: 9.45 min Scan# 1252  
Delta R.T. -0.02 min  
Lab File: BF113314.D  
Acq: 27 Mar 2019 2:17

Tgt Ion:163 Resp: 79382  
Ion Ratio Lower Upper  
163 100  
194 3.4 3.0 4.6  
164 10.9 8.1 12.1

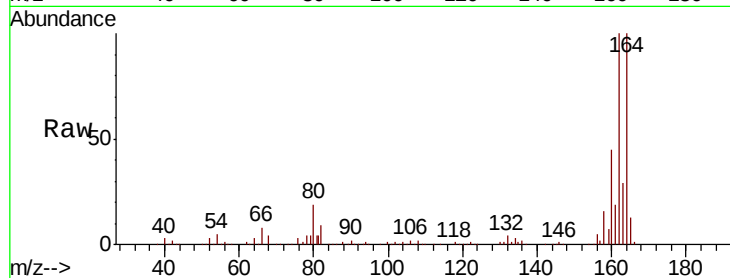




#51  
 2,6-Dinitrotoluene  
 Concen: 7.744 ng  
 RT: 9.73 min Scan# 1300  
 Delta R.T. 0.21 min  
 Lab File: BF113314.D  
 Acq: 27 Mar 2019 2:17

Instrument :  
 BNA\_F  
 ClientSampleId :  
 72-11976

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.1   | 43.4  | 65.0# |
| 89      | 1.3   | 43.1  | 64.7# |

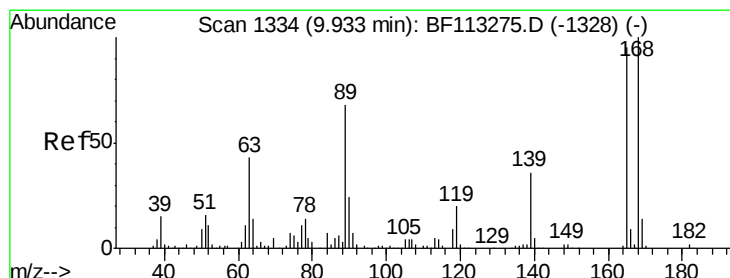
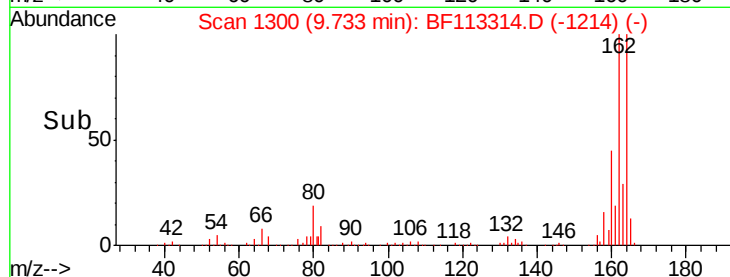
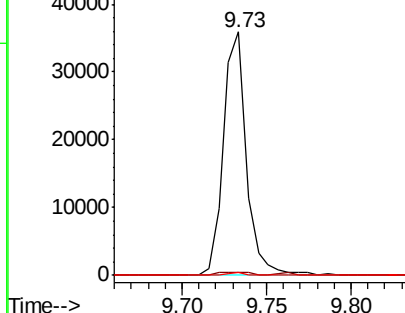


Abundance

Ion 165.00 (164.70 to 165.70): E

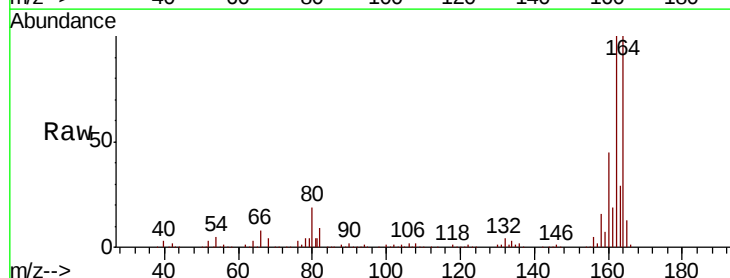
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#57  
 2,4-Dinitrotoluene  
 Concen: 6.090 ng  
 RT: 9.73 min Scan# 1300  
 Delta R.T. -0.20 min  
 Lab File: BF113314.D  
 Acq: 27 Mar 2019 2:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.1   | 37.5  | 56.3# |
| 89      | 1.3   | 57.4  | 86.2# |
| 182     | 0.0   | 2.0   | 3.0#  |



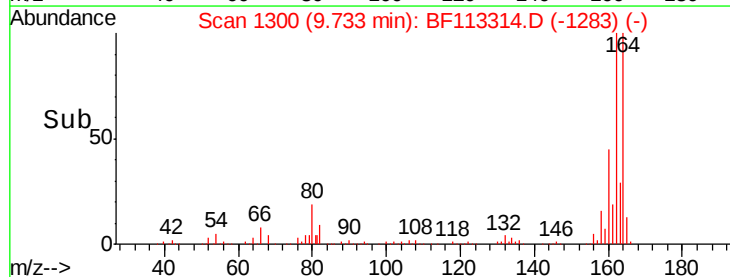
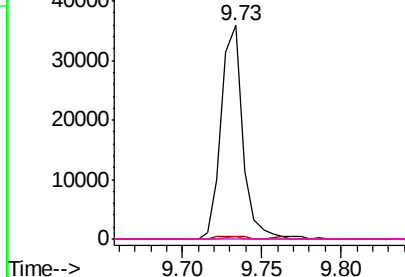
Abundance

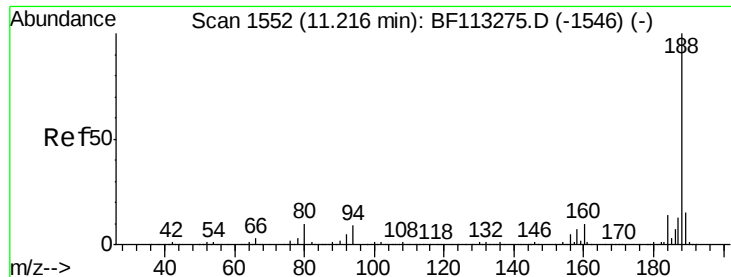
Ion 165.00 (164.70 to 165.70): E

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

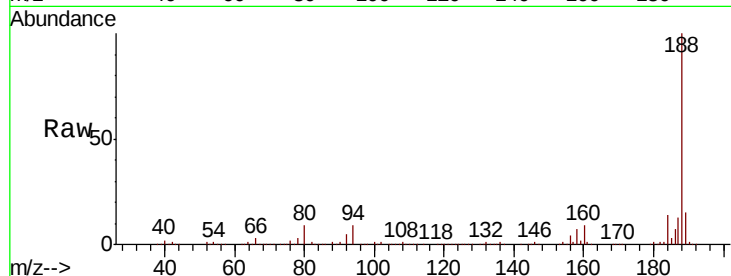




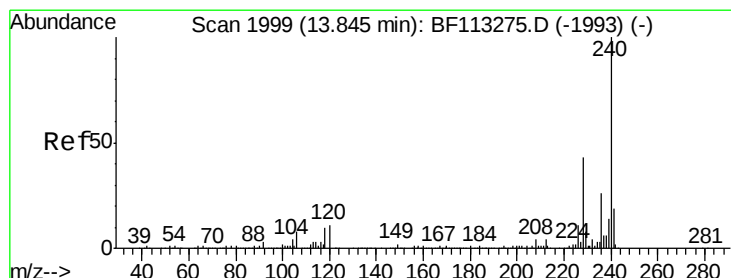
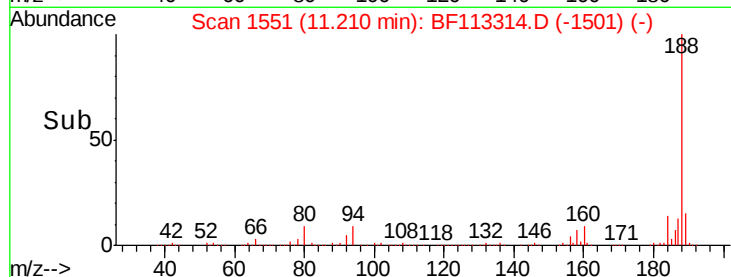
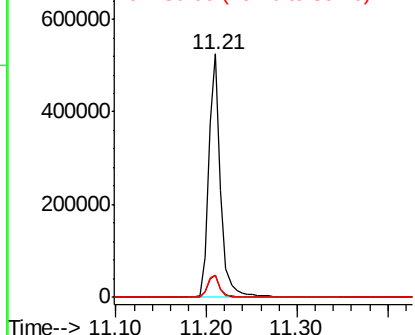
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.21 min Scan# 1551  
Delta R.T. -0.01 min  
Lab File: BF113314.D  
Acq: 27 Mar 2019 2:17

Instrument :  
BNA\_F  
ClientSampleId :  
72-11976

Tgt Ion:188 Resp: 484164  
Ion Ratio Lower Upper  
188 100  
94 9.0 7.0 10.6  
80 9.1 7.7 11.5

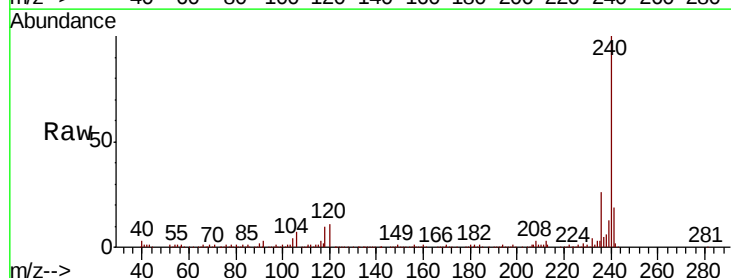


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1

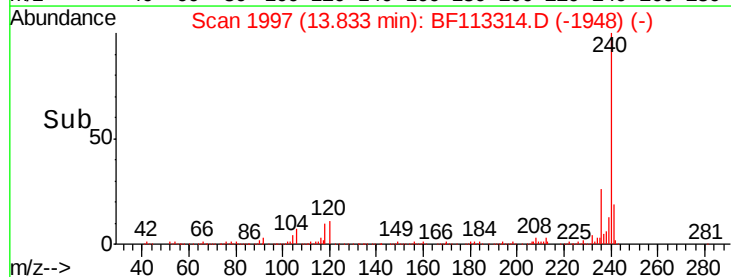
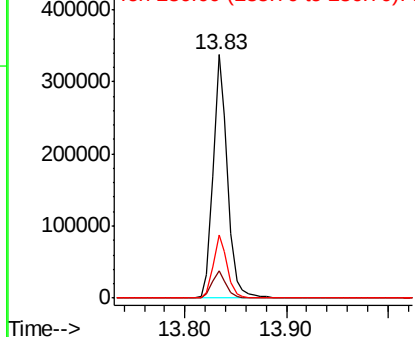


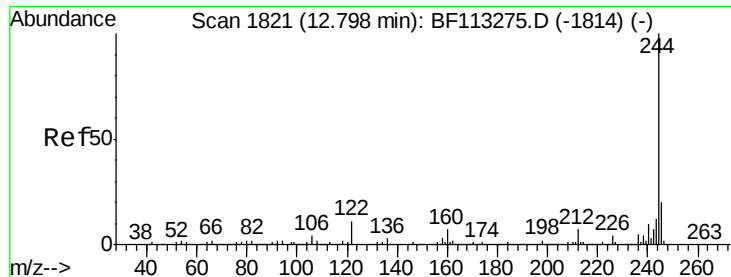
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.83 min Scan# 1997  
Delta R.T. -0.01 min  
Lab File: BF113314.D  
Acq: 27 Mar 2019 2:17

Tgt Ion:240 Resp: 330732  
Ion Ratio Lower Upper  
240 100  
120 11.4 8.8 13.2  
236 25.9 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: 70.591 ng

RT: 12.79 min Scan# 1819

Delta R.T. -0.01 min

Lab File: BF113314.D

Acq: 27 Mar 2019 2:17

Instrument :

BNA\_F

ClientSampleId :

72-11976

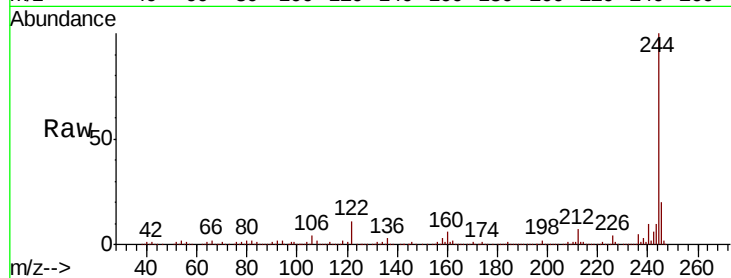
Tgt Ion:244 Resp: 1059209

Ion Ratio Lower Upper

244 100

212 6.6 5.5 8.3

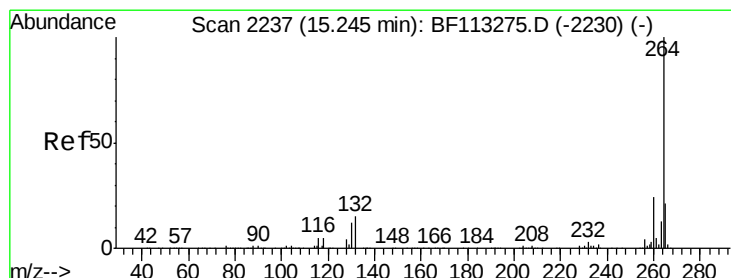
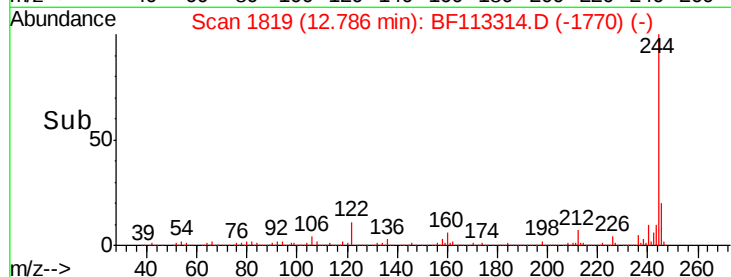
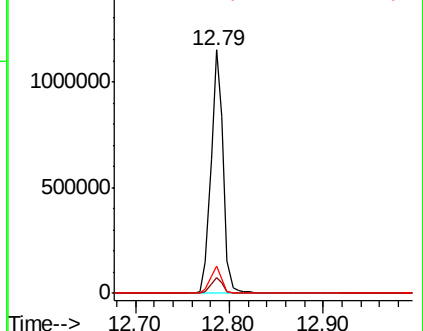
122 11.4 8.6 13.0



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: 15.23 min Scan# 2235

Delta R.T. -0.01 min

Lab File: BF113314.D

Acq: 27 Mar 2019 2:17

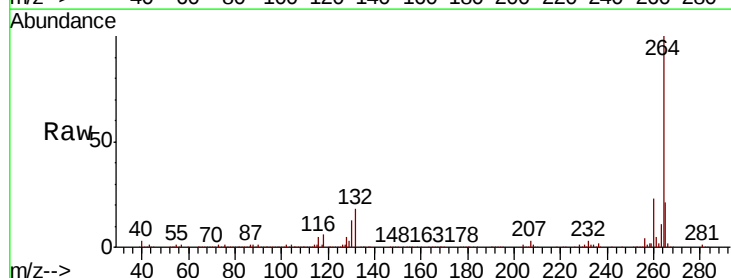
Tgt Ion:264 Resp: 416382

Ion Ratio Lower Upper

264 100

260 23.1 19.1 28.7

265 21.5 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

