

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF070618\  
 Data File : BF107192.D  
 Acq On : 6 Jul 2018 23:54  
 Operator : JU/SJ  
 Sample : J3843-01  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CHRT20426

Quant Time: Jul 07 00:19:24 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF061918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 29 14:38:29 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.94  | 152  | 54179    | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8        | 8.22  | 136  | 189343   | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10      | 9.98  | 164  | 78988    | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10      | 11.48 | 188  | 139885   | 20.00 | ng    | -0.02    |
| 75) Chrysene-d12          | 14.13 | 240  | 147805   | 20.00 | ng    | -0.04    |
| 86) Perylene-d12          | 15.67 | 264  | 102635   | 20.00 | ng    | -0.05    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.60  | 112  | 417994   | 130.64 | ng    | 0.00     |
| 7) Phenol-d6                | 6.60  | 99   | 518209   | 129.69 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 7.51  | 82   | 305325   | 89.62  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 10.78 | 330  | 117688   | 128.55 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 9.30  | 172  | 424822   | 92.30  | ng    | -0.02    |
| 78) Terphenyl-d14           | 13.07 | 244  | 576217   | 94.43  | ng    | -0.02    |

| Target Compounds               | R.T.  | QIon | Response | Conc   | Units | Qvalue |
|--------------------------------|-------|------|----------|--------|-------|--------|
| 10) Phenol                     | 6.61  | 94   | 14494    | 3.179  | ng    | 93     |
| 19) n-Nitroso-di-n-propylamine | 7.51  | 70   | 39852    | 15.131 | ng    | # 73   |
| 25) Isophorone                 | 7.51  | 82   | 305320   | 50.855 | ng    | # 64   |
| 27) 2,4-Dimethylphenol         | 7.98  | 122  | 9148     | 3.604  | ng    | # 4    |
| 32) Benzoic acid               | 7.98  | 122  | 9148     | 10.095 | ng    | 96     |
| 49) Dimethylphthalate          | 9.70  | 163  | 92155    | 15.556 | ng    | 99     |
| 56) 2,4-Dinitrotoluene         | 9.98  | 165  | 10245    | 6.257  | ng    | # 24   |
| 66) 4-Bromophenyl-phenylether  | 10.78 | 248  | 7265     | 4.352  | ng    | # 1    |
| 83) Bis(2-ethylhexyl)phthalate | 14.08 | 149  | 10751    | 2.098  | ng    | 99     |

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



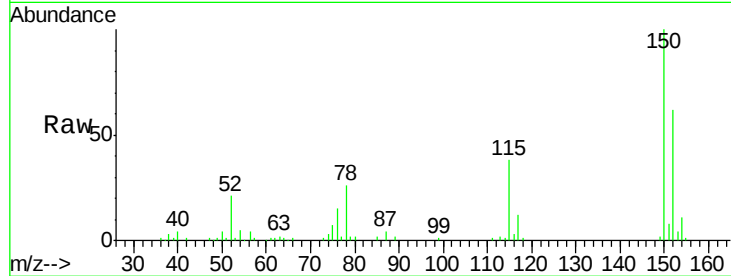


#1

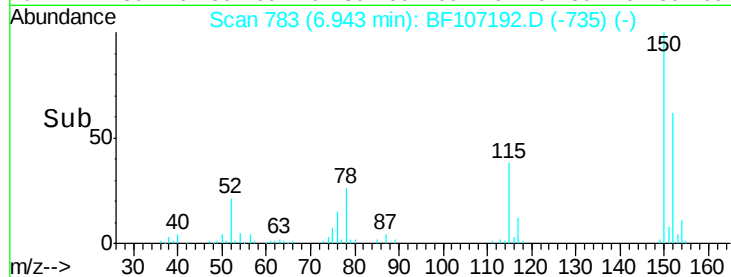
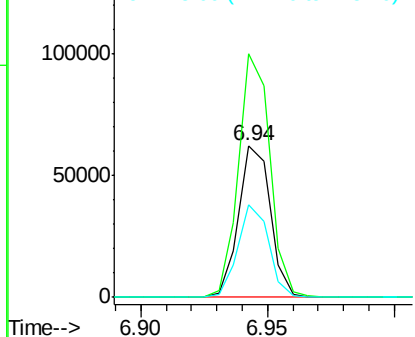
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.94 min Scan# 783  
Delta R.T. -0.02 min  
Lab File: BF107192.D  
Acq: 6 Jul 2018 23:54

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BNA\_F  
ClientSampleId :  
CHRT20426

Tgt Ion:152 Resp: 54179  
Ion Ratio Lower Upper  
152 100  
150 160.1 124.6 186.8  
115 61.1 50.1 75.1



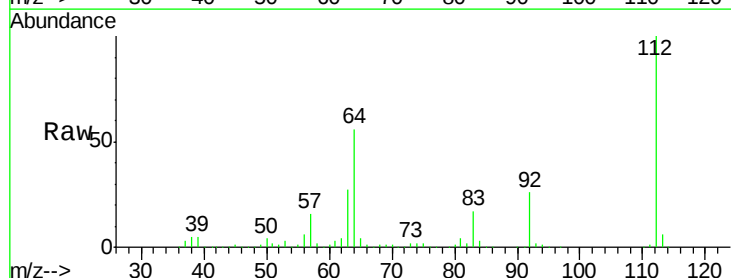
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



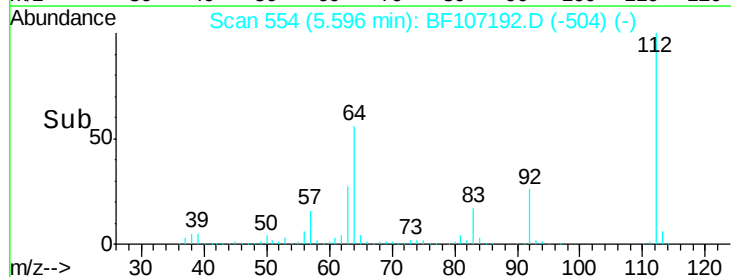
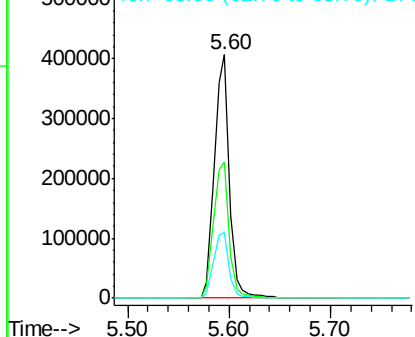
#5

2-Fluorophenol  
Concen: 130.640 ng  
RT: 5.60 min Scan# 554  
Delta R.T. -0.01 min  
Lab File: BF107192.D  
Acq: 6 Jul 2018 23:54

Tgt Ion:112 Resp: 417994  
Ion Ratio Lower Upper  
112 100  
64 56.0 47.9 71.9  
63 27.1 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: 129.693 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107192.D

Acq: 6 Jul 2018 23:54

Instrument :

BNA\_F

ClientSampleId :

CHRT20426

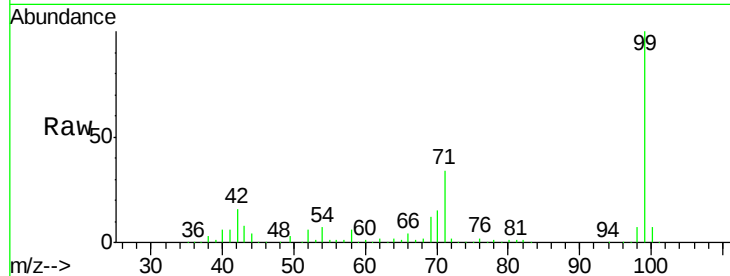
Tgt Ion: 99 Resp: 518209

Ion Ratio Lower Upper

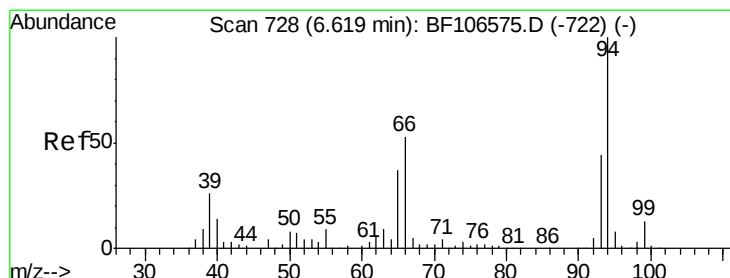
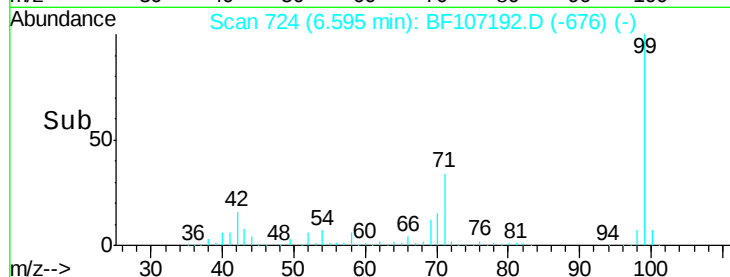
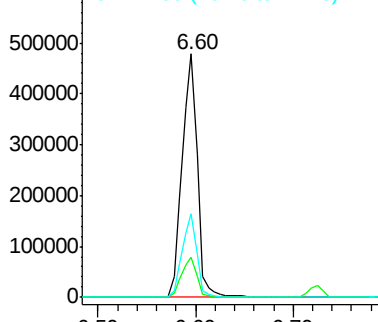
99 100

42 16.3 14.5 21.7

71 34.2 25.4 38.0



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: 3.179 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.02 min

Lab File: BF107192.D

Acq: 6 Jul 2018 23:54

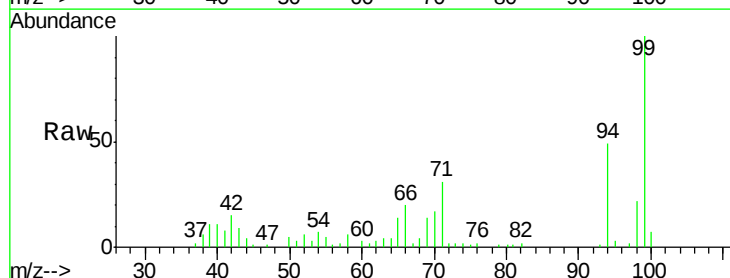
Tgt Ion: 94 Resp: 14494

Ion Ratio Lower Upper

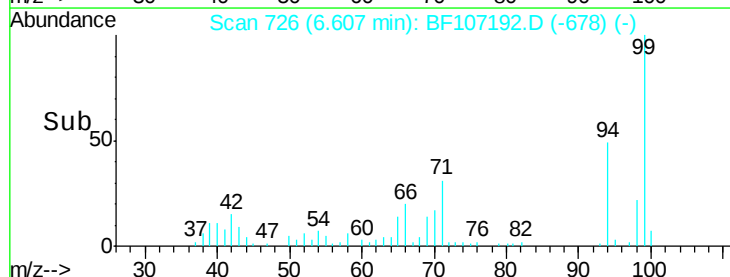
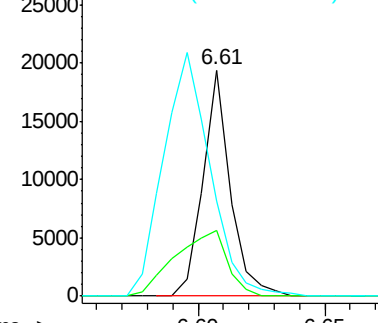
94 100

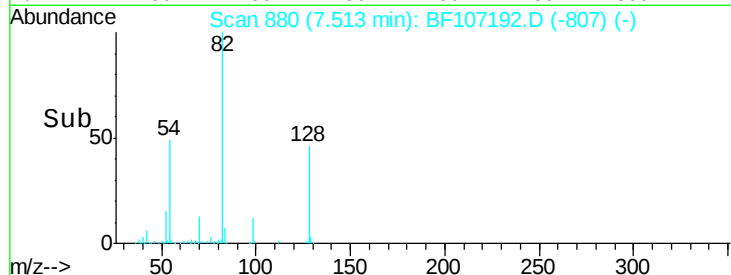
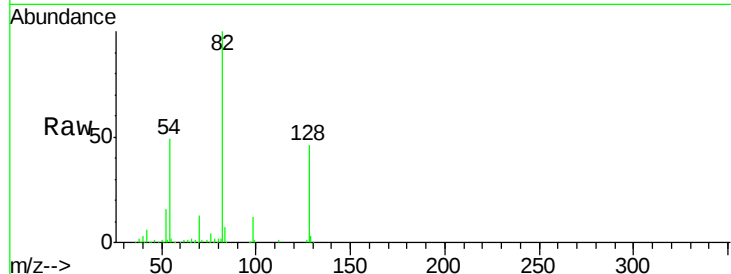
65 29.1 7.9 47.9

66 42.2 16.2 56.2



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

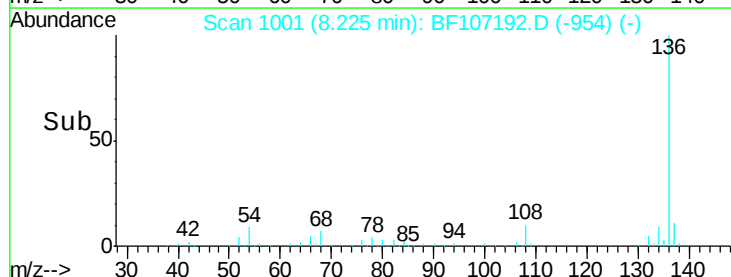
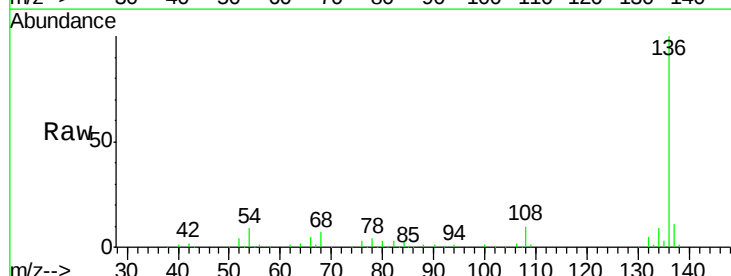
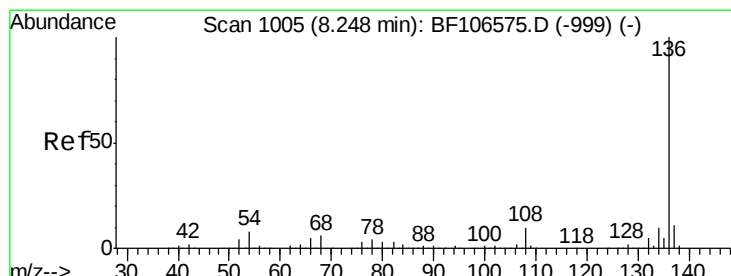
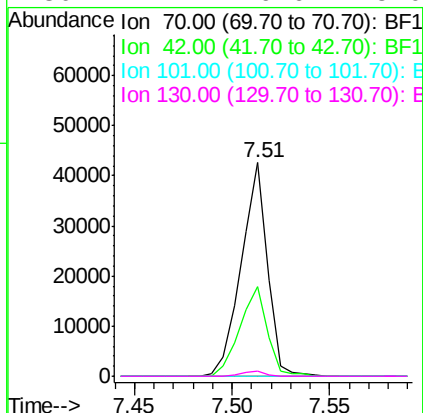




#19  
n-Nitroso-di-n-propylamine  
Concen: 15.131 ng  
RT: 7.51 min Scan# 880  
Delta R.T. 0.13 min  
Lab File: BF107192.D  
Acq: 6 Jul 2018 23:54

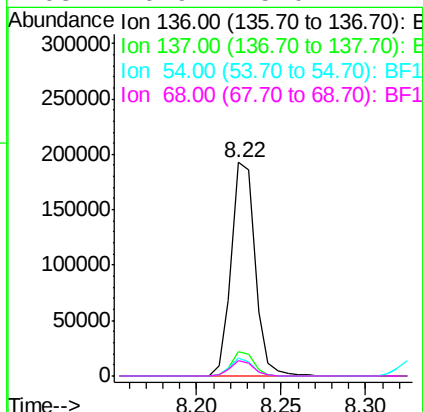
Instrument :  
BNA\_F  
ClientSampleId :  
CHRT20426

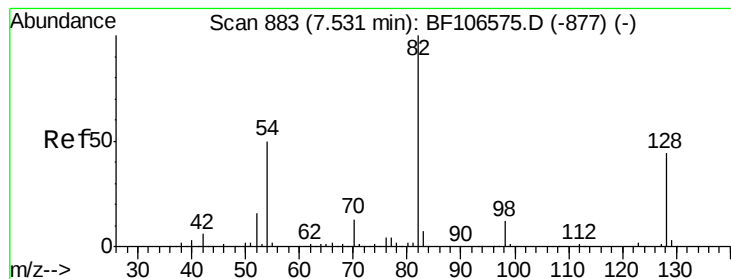
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 70    | Resp: | 39852 |
| Ion      | Ratio | Lower | Upper |
| 70       | 100   |       |       |
| 42       | 41.8  | 47.5  | 71.3# |
| 101      | 0.0   | 7.4   | 11.2# |
| 130      | 2.2   | 16.6  | 25.0# |



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.22 min Scan# 1001  
Delta R.T. -0.02 min  
Lab File: BF107192.D  
Acq: 6 Jul 2018 23:54

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 189343 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.3  | 8.9   | 13.3   |
| 54       | 8.6   | 6.6   | 9.8    |
| 68       | 6.9   | 5.0   | 7.4    |





#23

Nitrobenzene-d5

Concen: 89.615 ng

RT: 7.51 min Scan# 880

Delta R.T. -0.02 min

Lab File: BF107192.D

Acq: 6 Jul 2018 23:54

Instrument :

BNA\_F

ClientSampleId :

CHRT20426

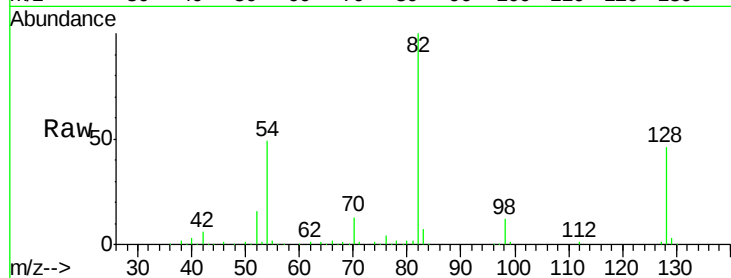
Tgt Ion: 82 Resp: 305325

Ion Ratio Lower Upper

82 100

128 46.1 36.1 54.1

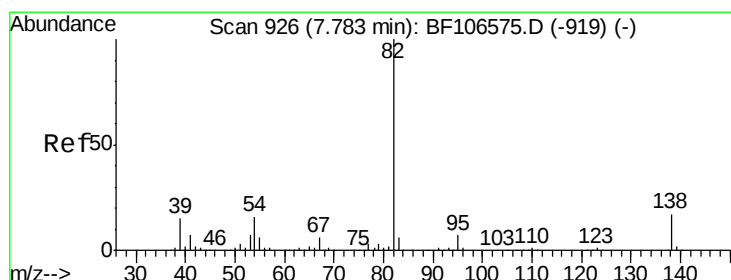
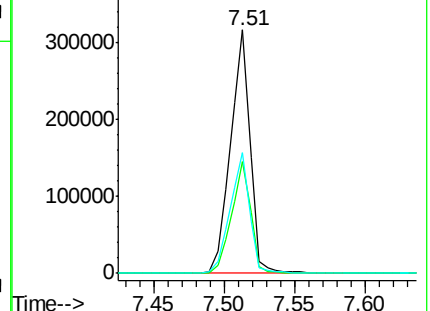
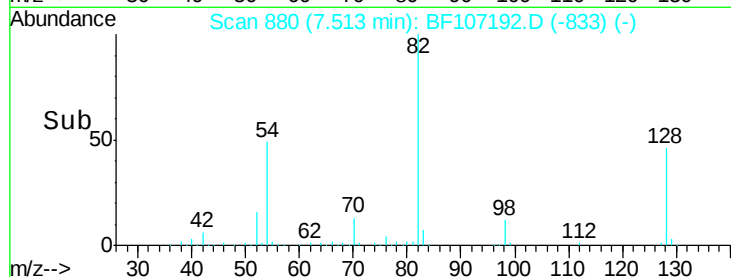
54 49.5 41.4 62.2



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: 50.855 ng

RT: 7.51 min Scan# 880

Delta R.T. -0.28 min

Lab File: BF107192.D

Acq: 6 Jul 2018 23:54

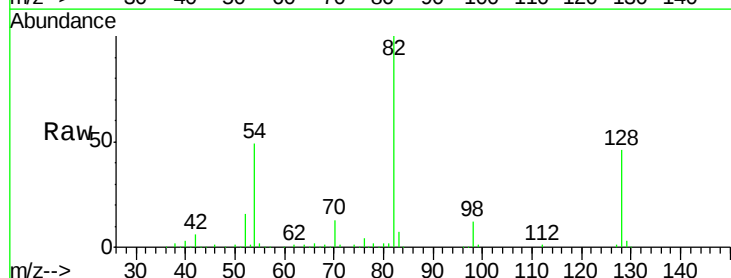
Tgt Ion: 82 Resp: 305320

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

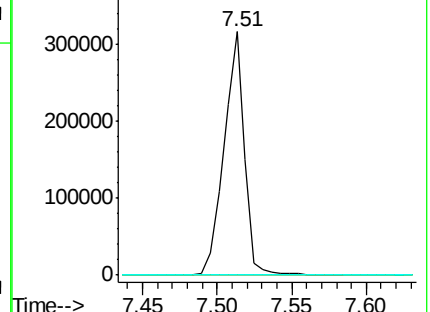
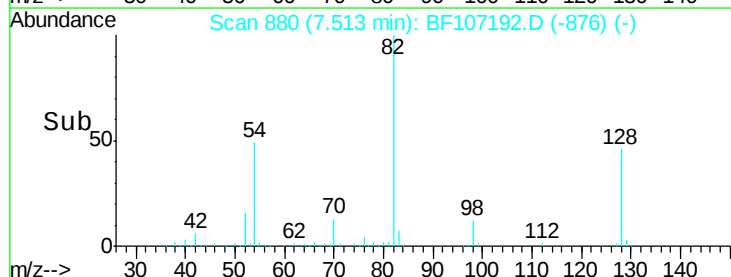
138 0.0 14.9 22.3#

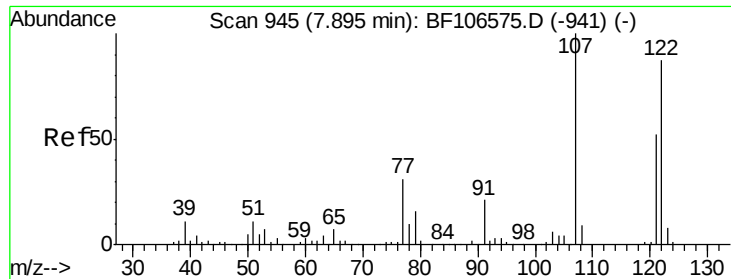


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

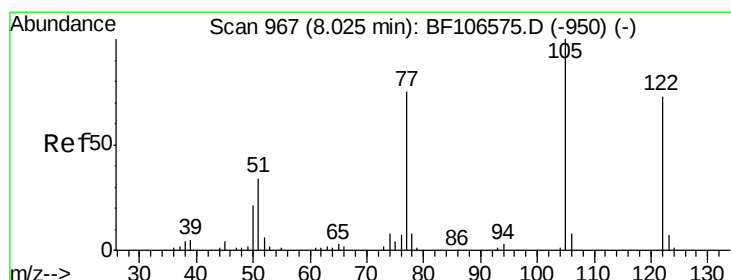
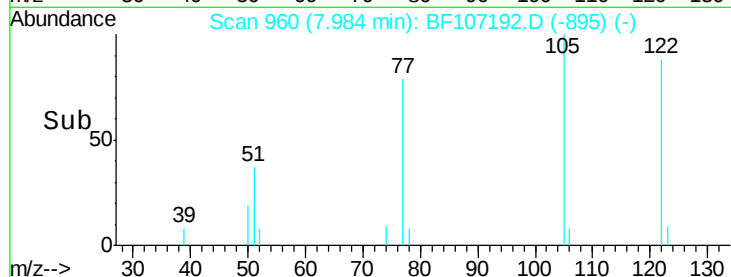
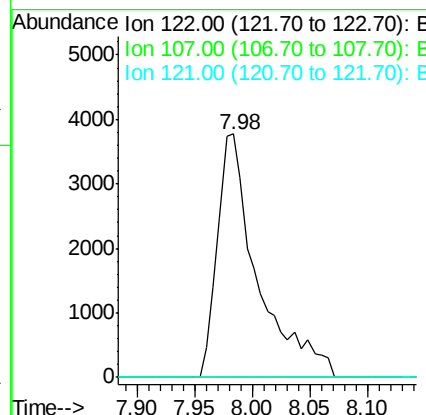
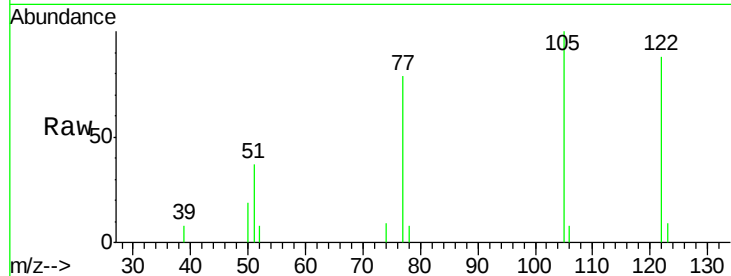




#27  
 2,4-Dimethylphenol  
 Concen: 3.604 ng  
 RT: 7.98 min Scan# 960  
 Delta R.T. 0.08 min  
 Lab File: BF107192.D  
 Acq: 6 Jul 2018 23:54

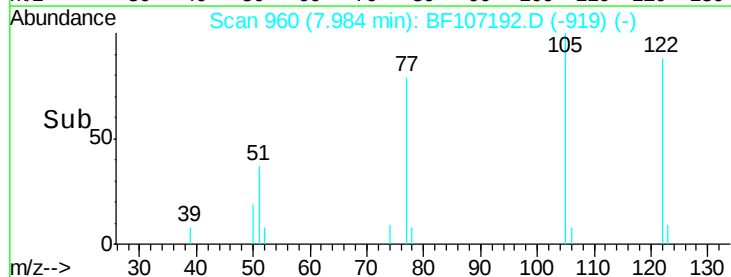
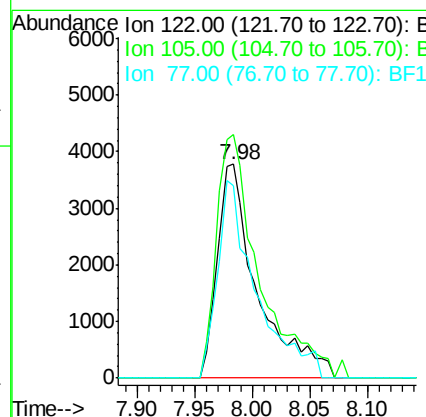
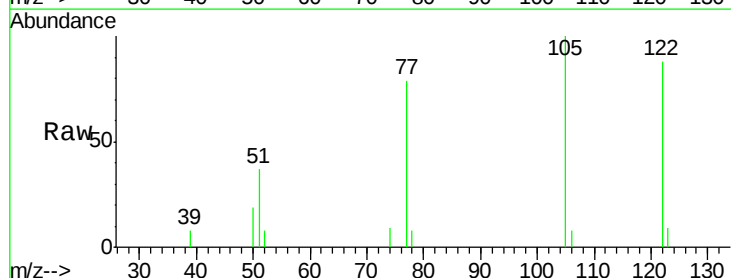
Instrument :  
 BNA\_F  
 ClientSampleId :  
 CHRT20426

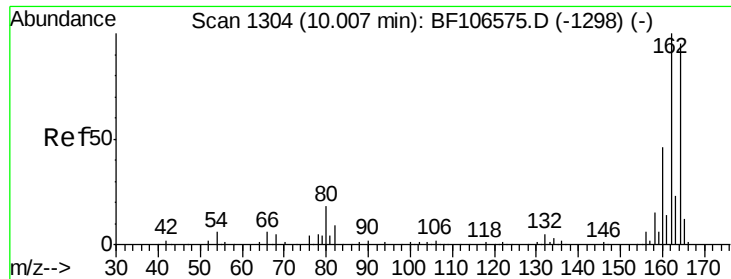
Tgt Ion:122 Resp: 9148  
 Ion Ratio Lower Upper  
 122 100  
 107 0.0 91.2 136.8#  
 121 0.0 47.2 70.8#



#32  
 Benzoic acid  
 Concen: 10.095 ng  
 RT: 7.98 min Scan# 960  
 Delta R.T. -0.06 min  
 Lab File: BF107192.D  
 Acq: 6 Jul 2018 23:54

Tgt Ion:122 Resp: 9148  
 Ion Ratio Lower Upper  
 122 100  
 105 113.9 101.1 141.1  
 77 89.8 70.7 110.7

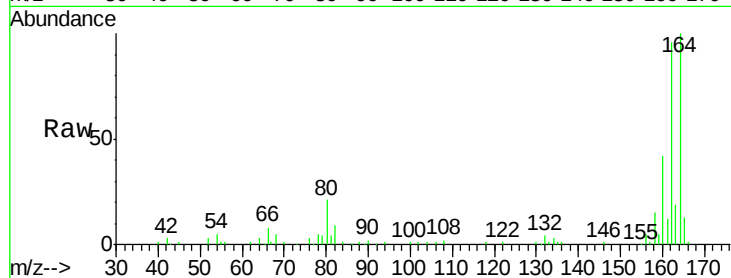




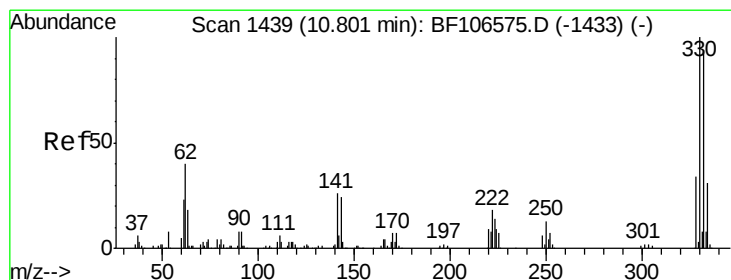
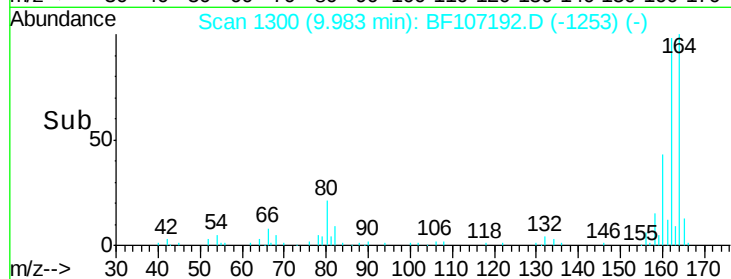
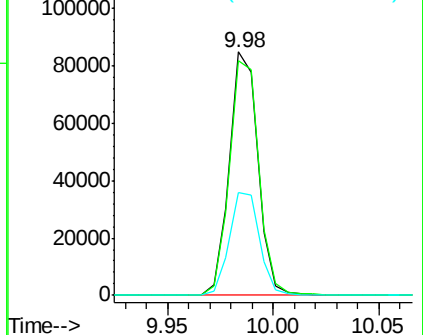
#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.98 min Scan# 1300  
 Delta R.T. -0.02 min  
 Lab File: BF107192.D  
 Acq: 6 Jul 2018 23:54

Instrument :  
 BNA\_F  
 ClientSampled :  
 CHRT20426

Tgt Ion:164 Resp: 78988  
 Ion Ratio Lower Upper  
 164 100  
 162 96.4 86.1 129.1  
 160 42.4 38.3 57.5

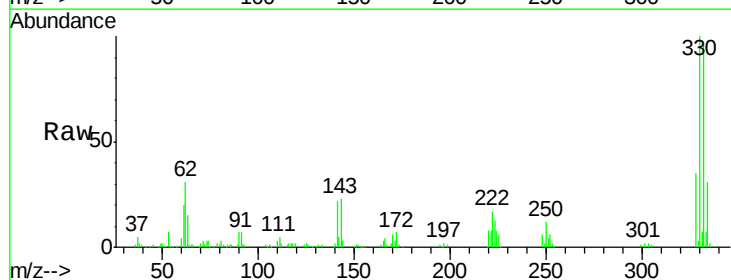


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

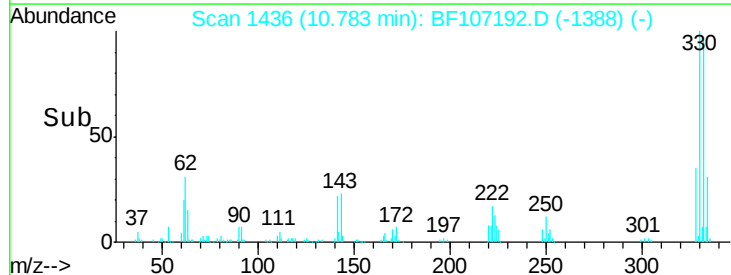
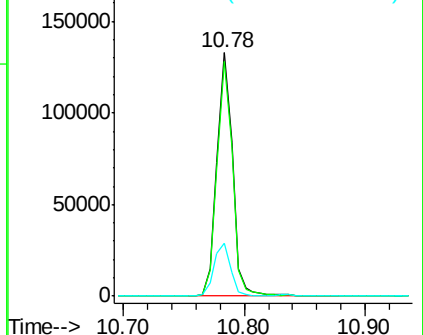


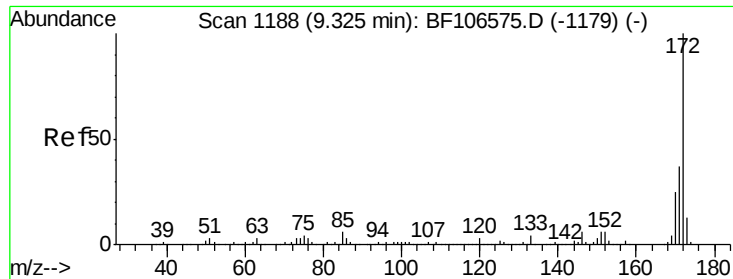
#41  
 2,4,6-Tribromophenol  
 Concen: 128.552 ng  
 RT: 10.78 min Scan# 1436  
 Delta R.T. -0.02 min  
 Lab File: BF107192.D  
 Acq: 6 Jul 2018 23:54

Tgt Ion:330 Resp: 117688  
 Ion Ratio Lower Upper  
 330 100  
 332 96.3 77.0 115.6  
 141 22.9 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

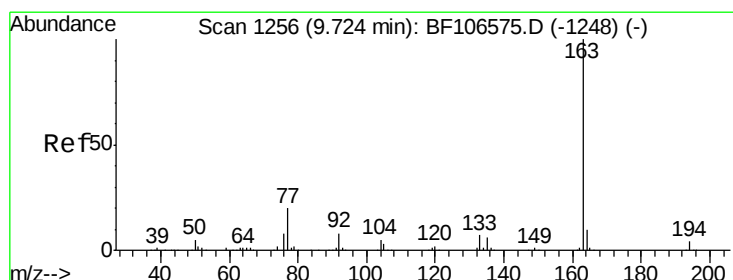
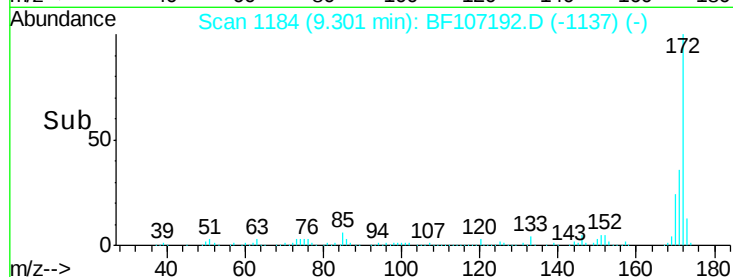
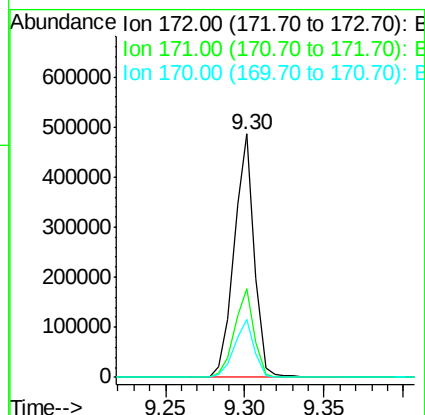
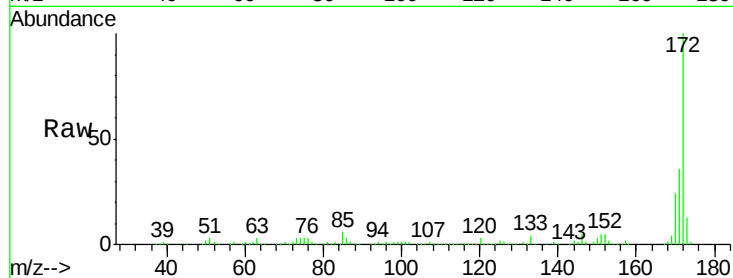




#44  
 2-Fluorobiphenyl  
 Concen: 92.302 ng  
 RT: 9.30 min Scan# 1184  
 Delta R.T. -0.02 min  
 Lab File: BF107192.D  
 Acq: 6 Jul 2018 23:54

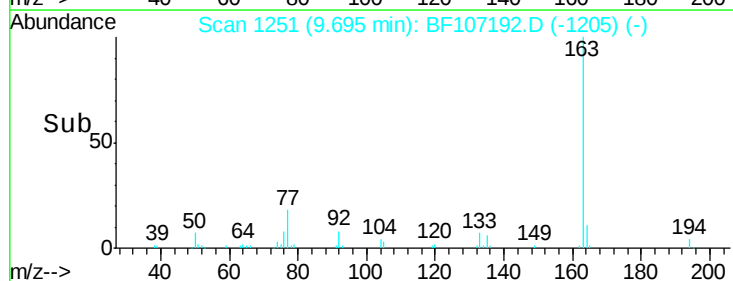
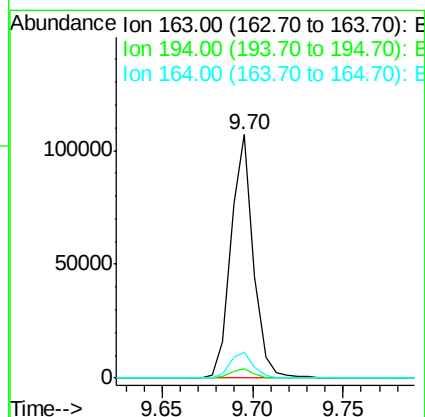
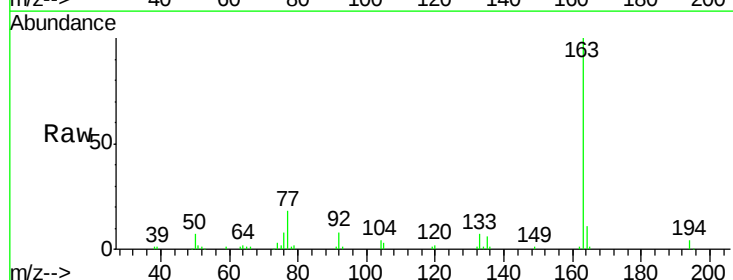
Instrument :  
 BNA\_F  
 ClientSampleId :  
 CHRT20426

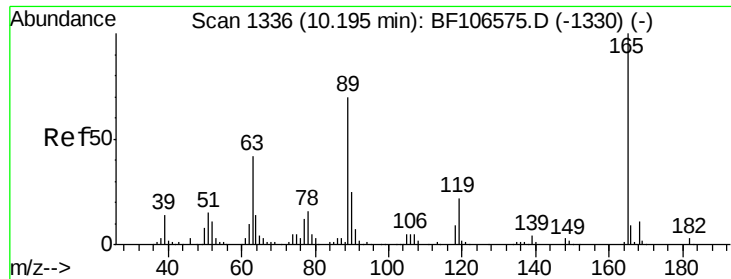
Tgt Ion:172 Resp: 424822  
 Ion Ratio Lower Upper  
 172 100  
 171 36.4 29.7 44.5  
 170 23.9 19.6 29.4



#49  
 Dimethylphthalate  
 Concen: 15.556 ng  
 RT: 9.70 min Scan# 1251  
 Delta R.T. -0.03 min  
 Lab File: BF107192.D  
 Acq: 6 Jul 2018 23:54

Tgt Ion:163 Resp: 92155  
 Ion Ratio Lower Upper  
 163 100  
 194 4.0 2.7 4.1  
 164 10.6 8.2 12.2

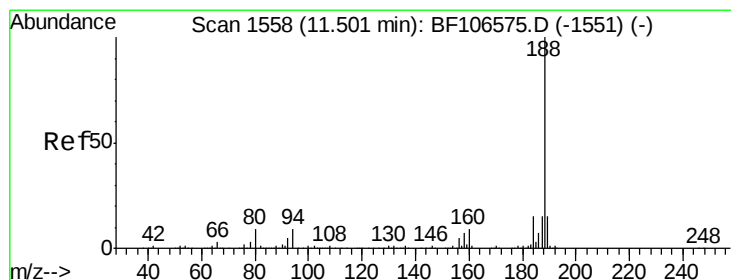
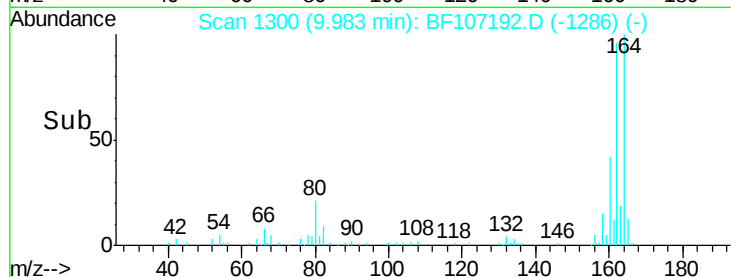
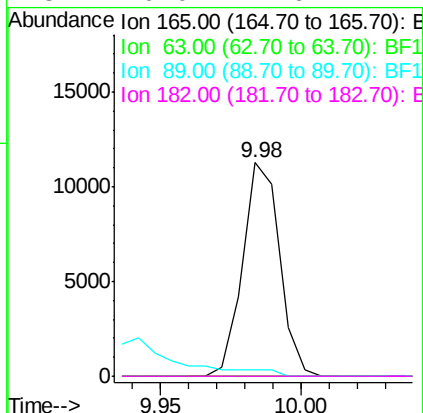
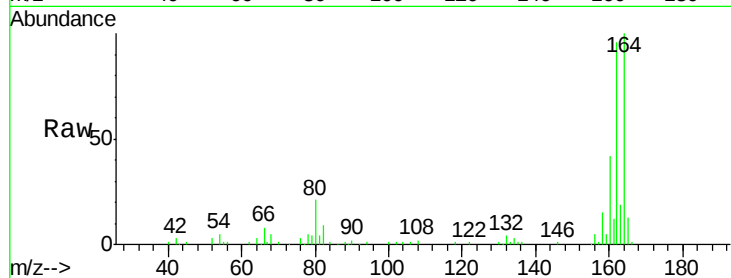




#56  
 2,4-Dinitrotoluene  
 Concen: 6.257 ng  
 RT: 9.98 min Scan# 1300  
 Delta R.T. -0.22 min  
 Lab File: BF107192.D  
 Acq: 6 Jul 2018 23:54

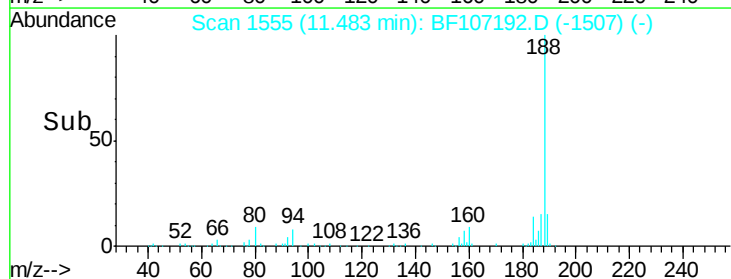
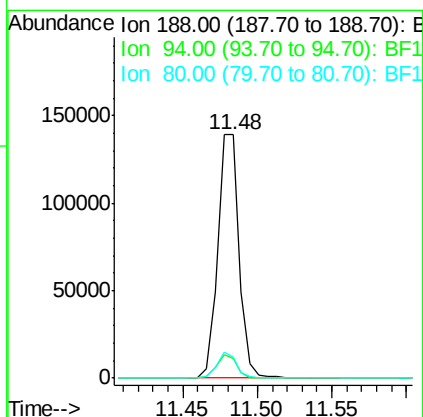
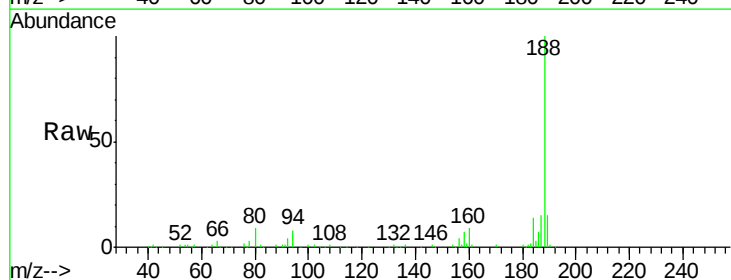
Instrument :  
 BNA\_F  
 ClientSampleId :  
 CHRT20426

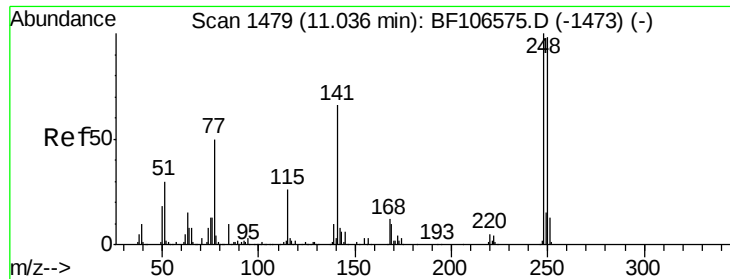
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.0   | 36.4  | 54.6# |
| 89      | 3.1   | 57.8  | 86.6# |
| 182     | 0.0   | 1.6   | 2.4#  |



#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.48 min Scan# 1555  
 Delta R.T. -0.02 min  
 Lab File: BF107192.D  
 Acq: 6 Jul 2018 23:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 8.0   | 8.5   | 12.7# |
| 80      | 8.8   | 9.2   | 13.8# |

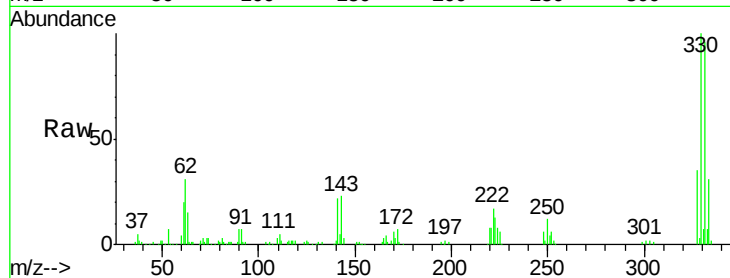




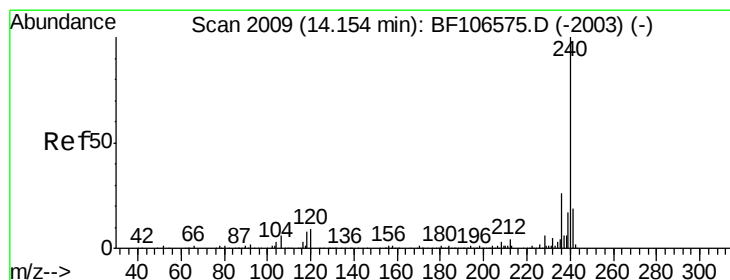
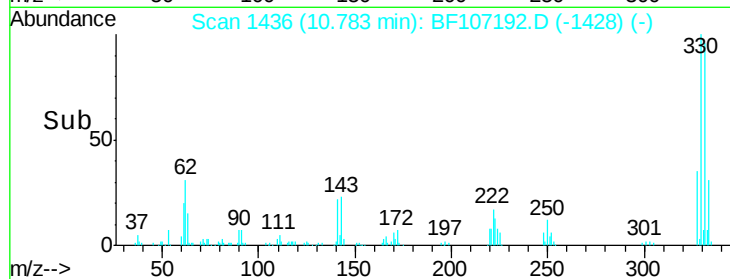
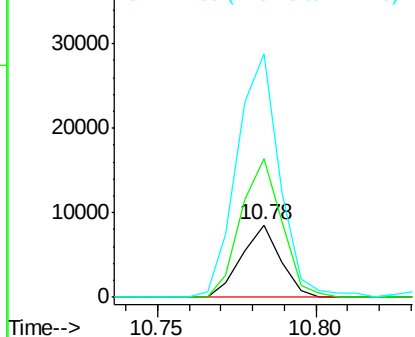
#66  
4-Bromophenyl-phenylether  
Concen: 4.352 ng  
RT: 10.78 min Scan# 1436  
Delta R.T. -0.25 min  
Lab File: BF107192.D  
Acq: 6 Jul 2018 23:54

Instrument :  
BNA\_F  
ClientSampleId :  
CHRT20426

Tgt Ion:248 Resp: 7265  
Ion Ratio Lower Upper  
248 100  
250 191.0 76.9 115.3#  
141 336.6 74.4 111.6#

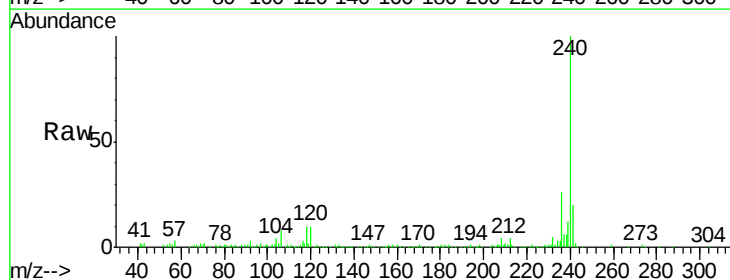


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

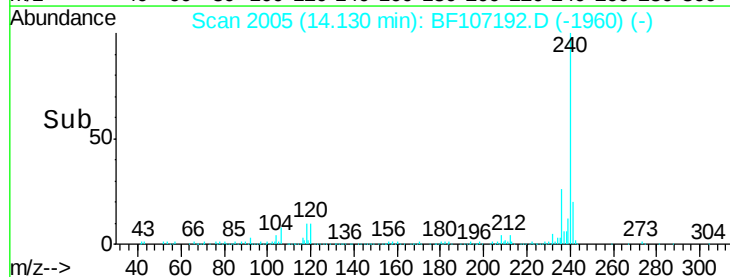
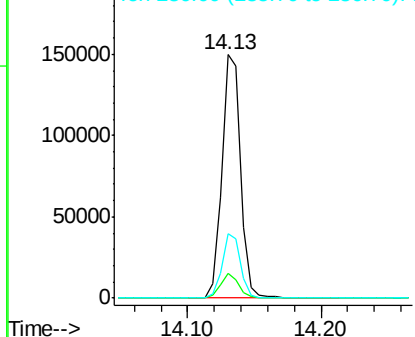


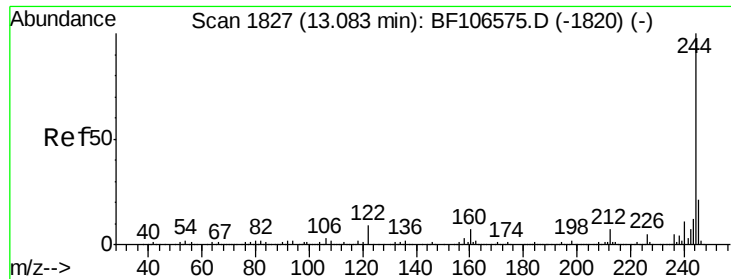
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.13 min Scan# 2005  
Delta R.T. -0.04 min  
Lab File: BF107192.D  
Acq: 6 Jul 2018 23:54

Tgt Ion:240 Resp: 147805  
Ion Ratio Lower Upper  
240 100  
120 10.2 9.5 14.3  
236 26.4 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

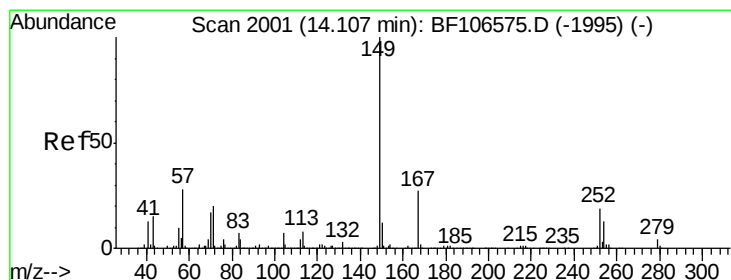
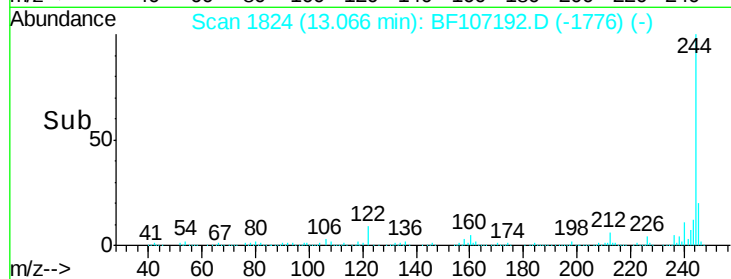
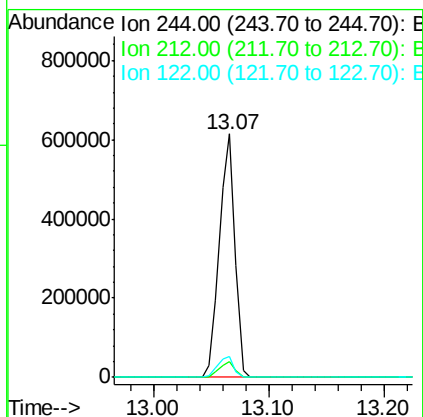
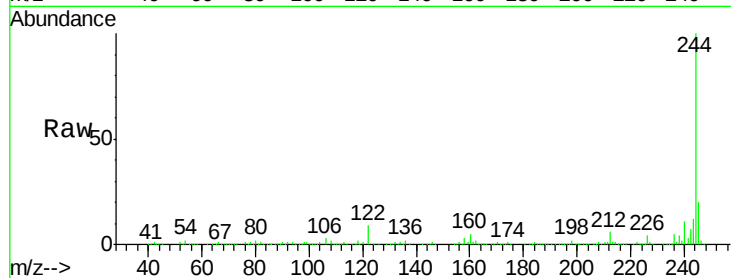




#78  
 Terphenyl-d14  
 Concen: 94.433 ng  
 RT: 13.07 min Scan# 1824  
 Delta R.T. -0.02 min  
 Lab File: BF107192.D  
 Acq: 6 Jul 2018 23:54

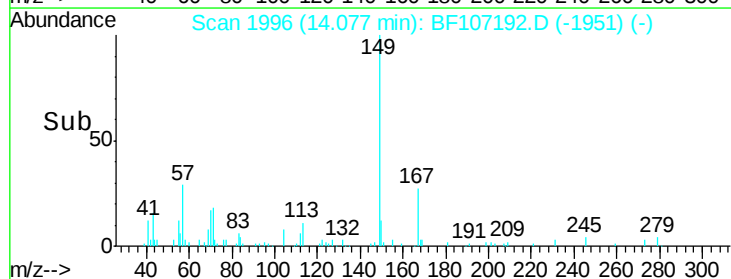
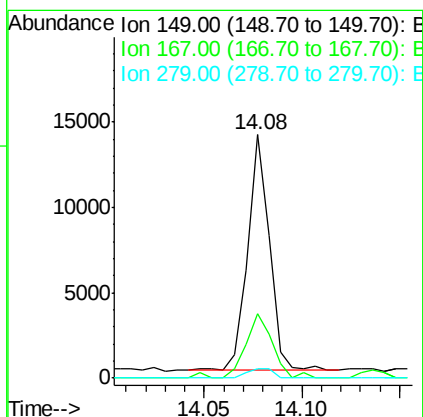
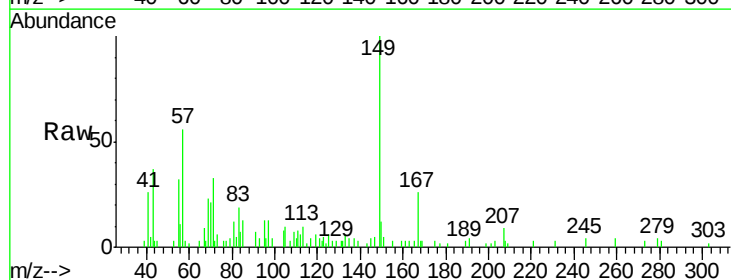
Instrument :  
 BNA\_F  
 ClientSampleId :  
 CHRT20426

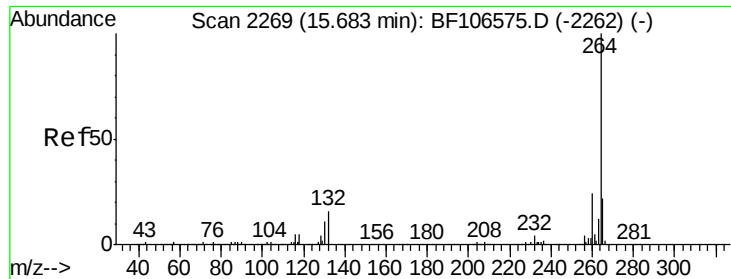
Tgt Ion:244 Resp: 576217  
 Ion Ratio Lower Upper  
 244 100  
 212 6.3 5.4 8.0  
 122 8.7 11.0 16.4#



#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 2.098 ng  
 RT: 14.08 min Scan# 1996  
 Delta R.T. -0.04 min  
 Lab File: BF107192.D  
 Acq: 6 Jul 2018 23:54

Tgt Ion:149 Resp: 10751  
 Ion Ratio Lower Upper  
 149 100  
 167 26.3 21.3 31.9  
 279 3.9 3.0 4.4

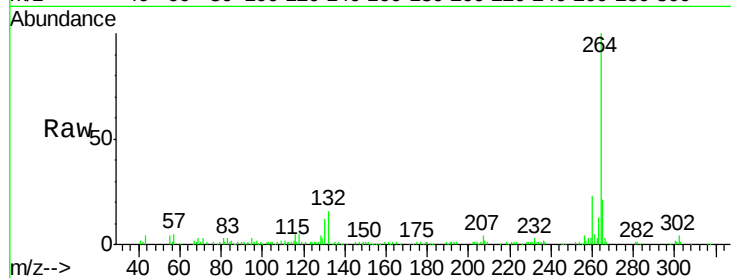




#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.67 min Scan# 2266  
Delta R.T. -0.05 min  
Lab File: BF107192.D  
Acq: 6 Jul 2018 23:54

Instrument :  
BNA\_F  
ClientSampleId :  
CHRT20426

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.5  | 19.2  | 28.8  |
| 265     | 21.2  | 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

