

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071620\  
 Data File : BF120899.D  
 Acq On : 16 Jul 2020 21:55  
 Operator : JU/CG  
 Sample : L3308-07  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 7

Quant Time: Jul 17 01:55:56 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 16 14:20:32 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.81  | 152  | 154281   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.10  | 136  | 614894   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.85  | 164  | 324313   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.33 | 188  | 634558   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 13.97 | 240  | 526021   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.42 | 264  | 448991   | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 5) 2-Fluorophenol           | 5.42  | 112  | 877060   | 93.19 | ng    | 0.00     |
| 7) Phenol-d6                | 6.44  | 99   | 1079675  | 88.81 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.37  | 82   | 662687   | 62.36 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.64 | 330  | 326035   | 91.84 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.17  | 172  | 1199433  | 55.22 | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.92 | 244  | 1364684  | 56.40 | ng    | 0.00     |

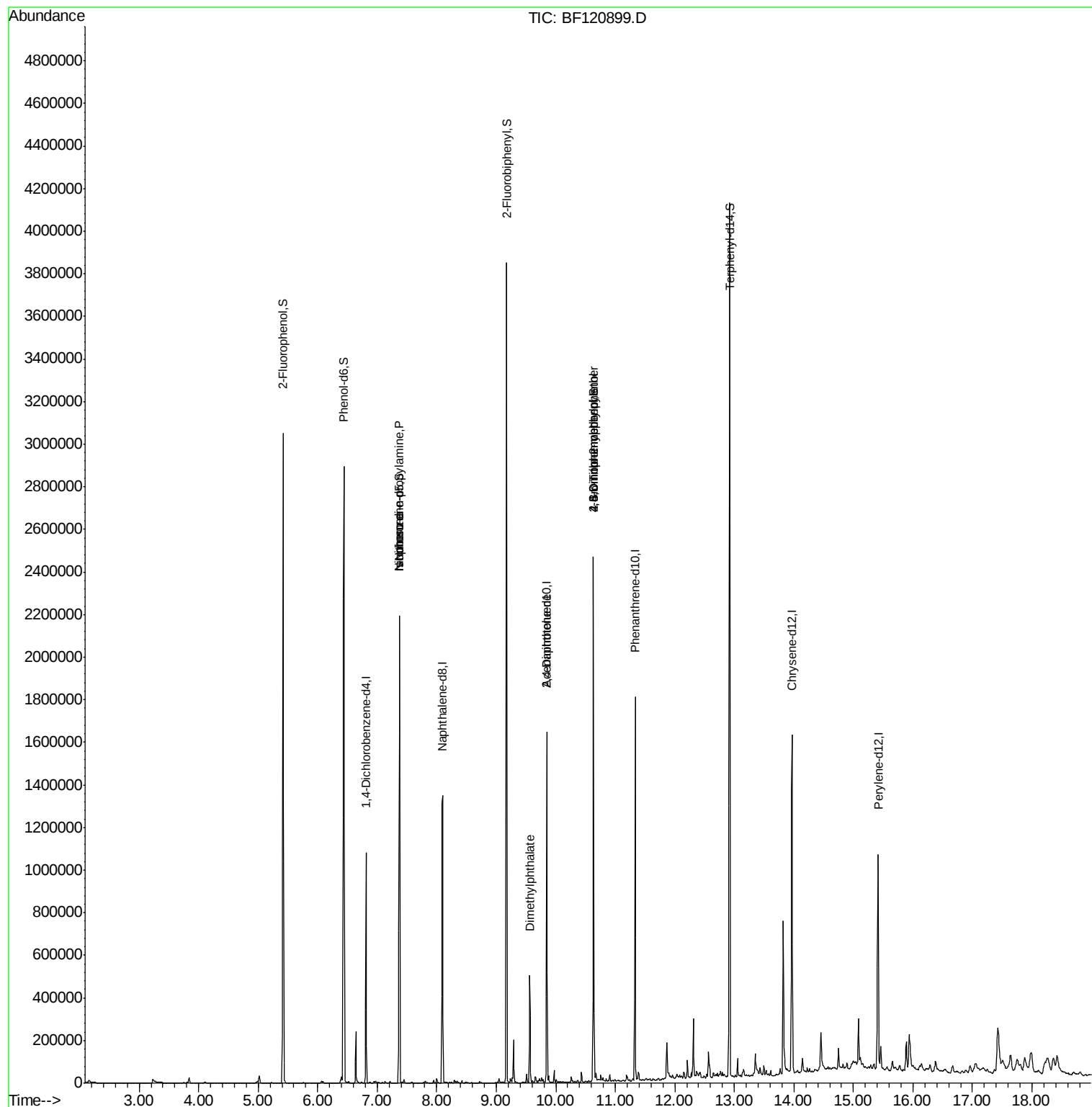
| Target Compounds               | R.T.  | QIon | Response | Conc      | Units | Qvalue |
|--------------------------------|-------|------|----------|-----------|-------|--------|
| 9) Benzaldehyde                | 6.36  | 77   | 278      | Below Cal |       | # 79   |
| 19) n-Nitroso-di-n-propylamine | 7.37  | 70   | 87325    | 12.633    | ng    | # 77   |
| 25) Isophorone                 | 7.37  | 82   | 661307   | 31.181    | ng    | # 63   |
| 50) Dimethylphthalate          | 9.56  | 163  | 174171   | 7.444     | ng    | # 99   |
| 57) 2,4-Dinitrotoluene         | 9.85  | 165  | 41268    | 6.252     | ng    | # 27   |
| 65) 4,6-Dinitro-2-methylphenol | 10.63 | 198  | 665      | 4.009     | ng    | # 1    |
| 67) 4-Bromophenyl-phenylether  | 10.63 | 248  | 19653    | 2.778     | ng    | # 1    |

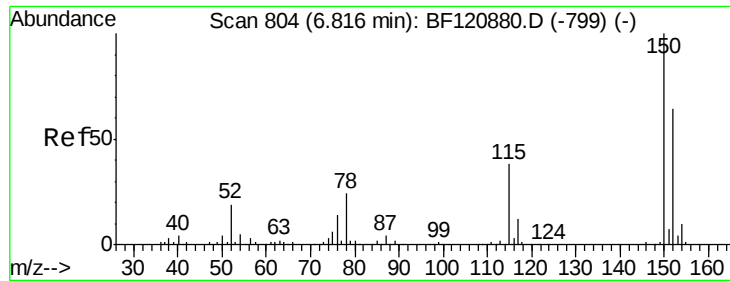
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 15 Sample Multiplier: 1

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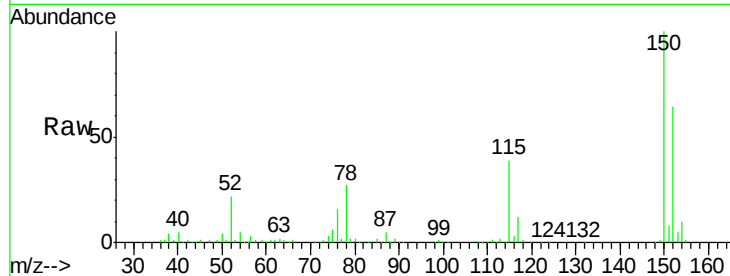


#1

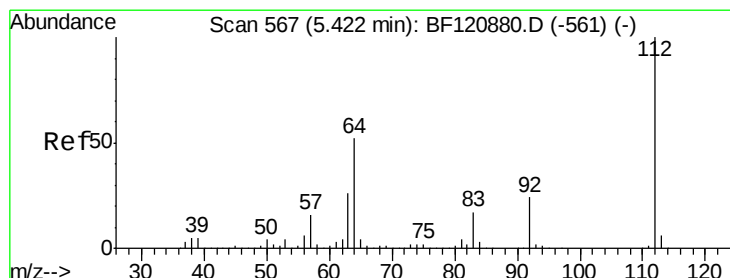
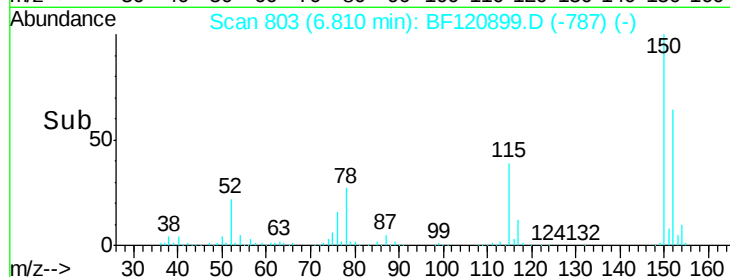
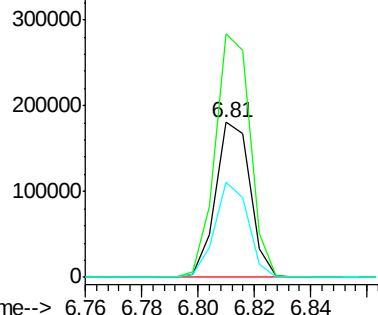
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.81 min Scan# 803  
Delta R.T. -0.01 min  
Lab File: BF120899.D  
Acq: 16 Jul 2020 21:55

Instrument :  
BNA\_F  
ClientSampleId :  
7

Tot Ion:152 Resp: 154281  
Ion Ratio Lower Upper  
152 100  
150 157.1 125.0 187.6  
115 61.5 47.0 70.4



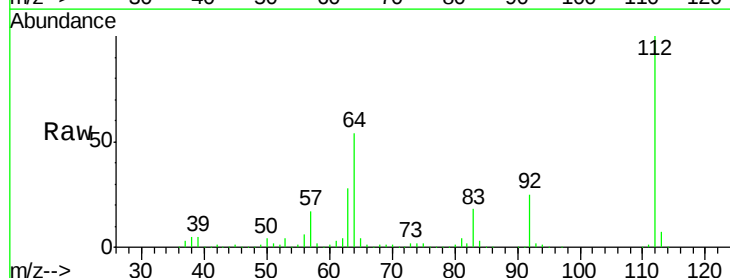
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



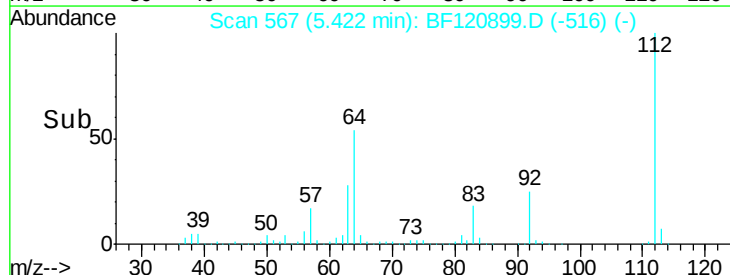
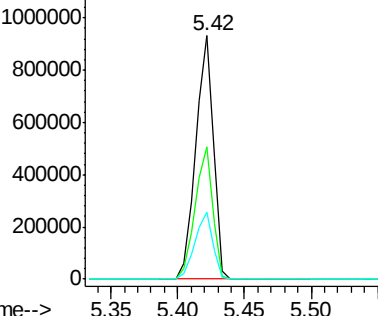
#5

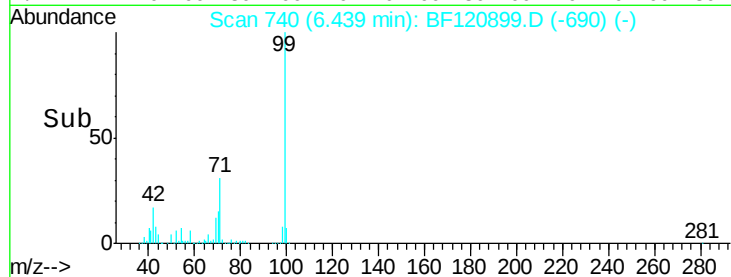
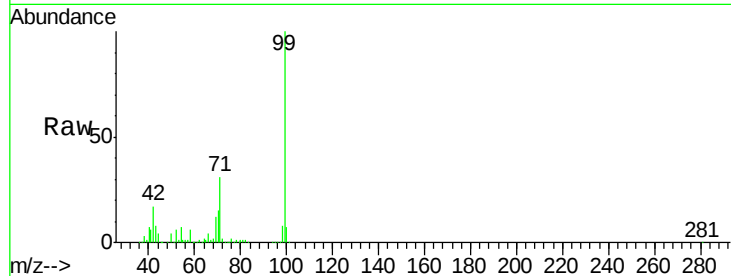
2-Fluorophenol  
Concen: 93.194 ng  
RT: 5.42 min Scan# 567  
Delta R.T. 0.00 min  
Lab File: BF120899.D  
Acq: 16 Jul 2020 21:55

Tgt Ion:112 Resp: 877060  
Ion Ratio Lower Upper  
112 100  
64 54.1 41.3 61.9  
63 27.7 21.1 31.7



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: 88.813 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF120899.D

Acq: 16 Jul 2020 21:55

Instrument :

BNA\_F

ClientSampleId :

7

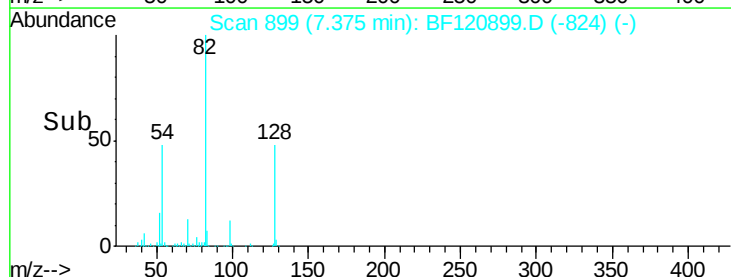
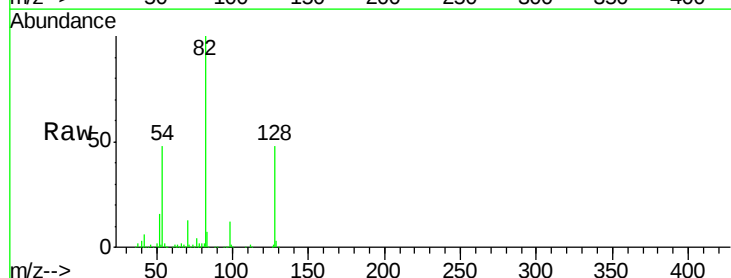
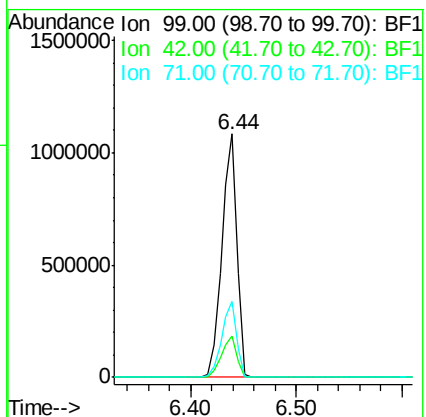
Tot Ion: 99 Resp: 1079675

Ion Ratio Lower Upper

99 100

42 16.9 13.1 19.7

71 31.3 24.2 36.4



#19

n-Nitroso-di-n-propylamine

Concen: 12.633 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.14 min

Lab File: BF120899.D

Acq: 16 Jul 2020 21:55

Tgt Ion: 70 Resp: 87325

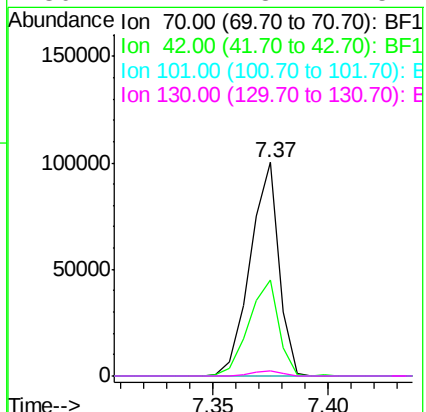
Ion Ratio Lower Upper

70 100

42 44.9 44.0 66.0

101 0.0 7.8 11.6#

130 2.2 18.7 28.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1022

Delta R.T. 0.00 min

Lab File: BF120899.D

Acq: 16 Jul 2020 21:55

Instrument :

BNA\_F

ClientSampleId :

7

Tot Ion:136 Resp: 614894

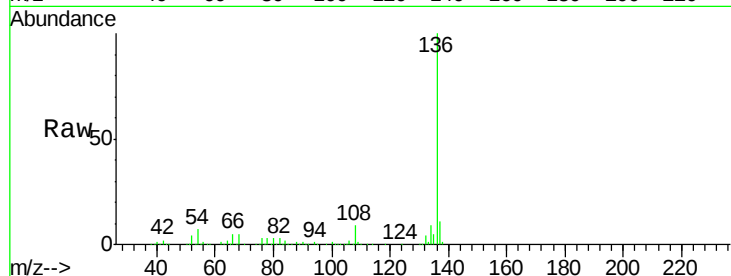
Ion Ratio Lower Upper

136 100

137 10.8 9.3 13.9

54 6.6 6.3 9.5

68 5.4 5.0 7.4

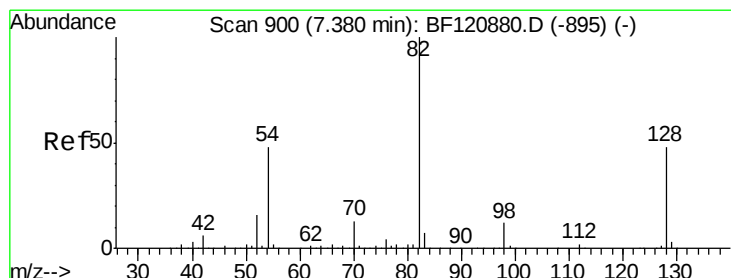
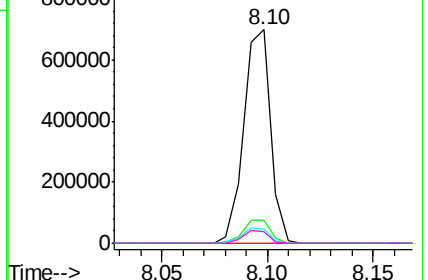
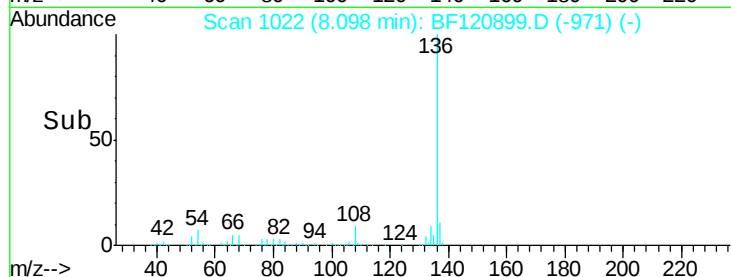


Abundance Ion 136.00 (135.70 to 136.70): E

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: 62.361 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.01 min

Lab File: BF120899.D

Acq: 16 Jul 2020 21:55

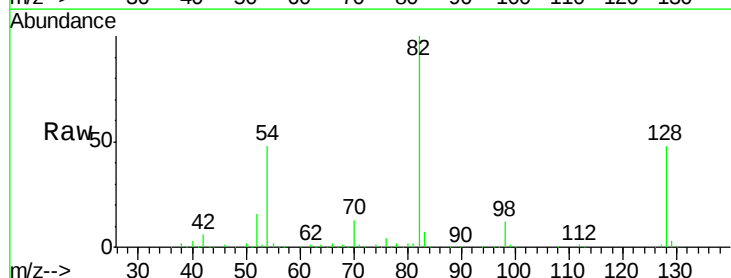
Tgt Ion: 82 Resp: 662687

Ion Ratio Lower Upper

82 100

128 48.0 38.2 57.4

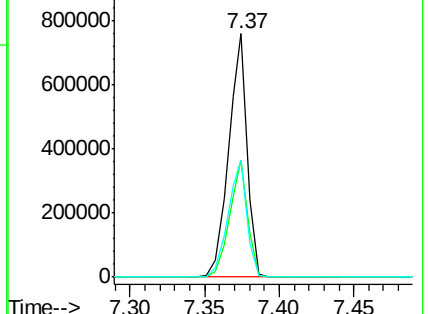
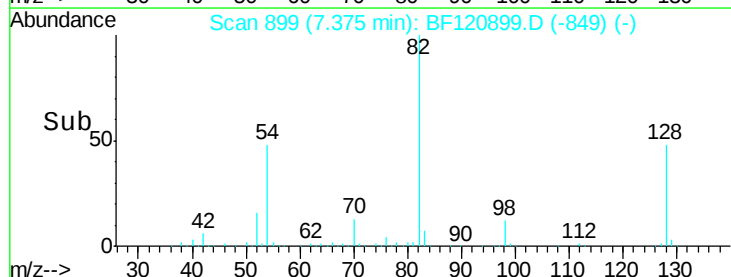
54 48.1 38.7 58.1



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: 31.181 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF120899.D

Acq: 16 Jul 2020 21:55

Instrument :

BNA\_F

ClientSampleId :

7

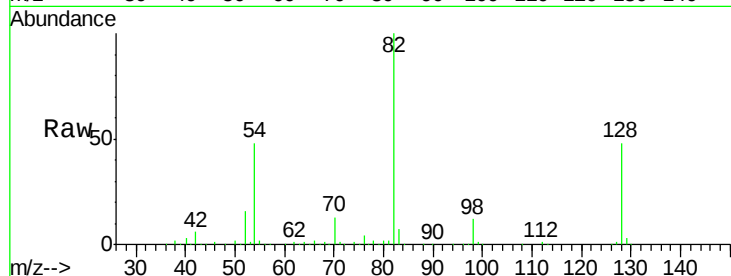
Tot Ion: 82 Resp: 661307

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

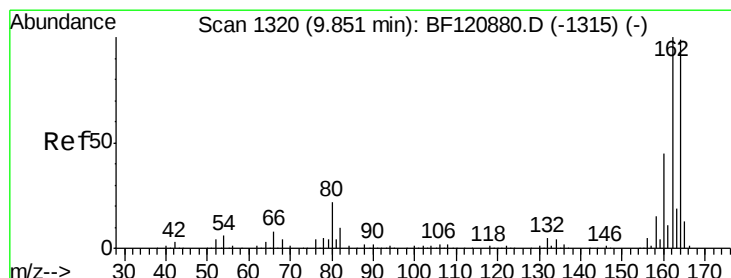
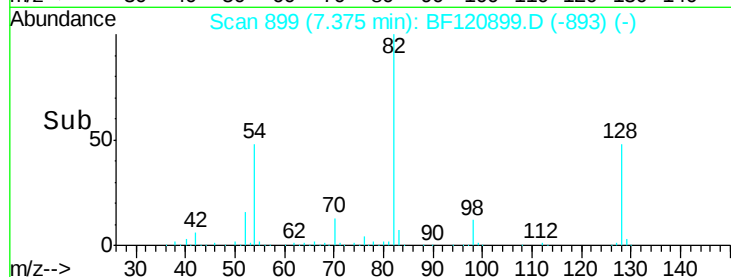
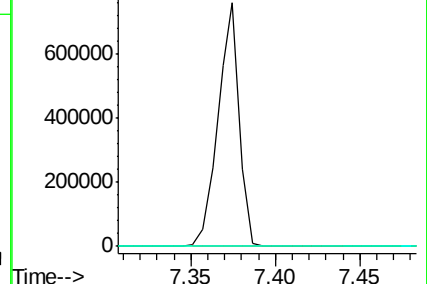
138 0.0 15.6 23.4#



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: 9.85 min Scan# 1320

Delta R.T. 0.00 min

Lab File: BF120899.D

Acq: 16 Jul 2020 21:55

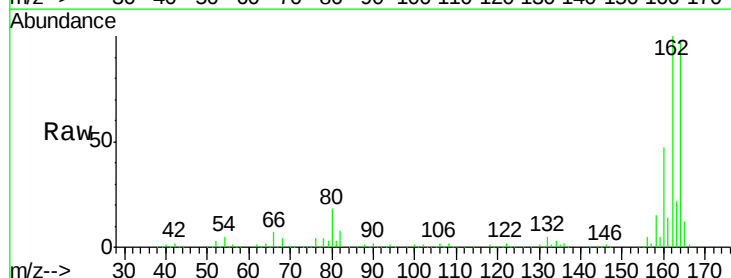
Tgt Ion: 164 Resp: 324313

Ion Ratio Lower Upper

164 100

162 101.7 81.2 121.8

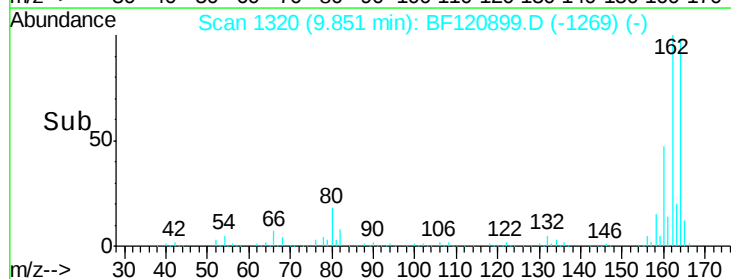
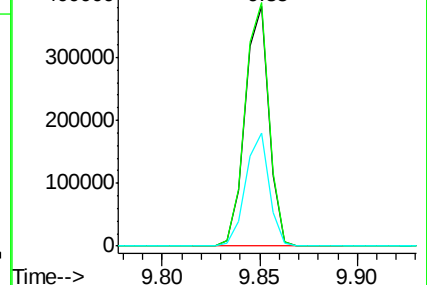
160 47.3 36.9 55.3

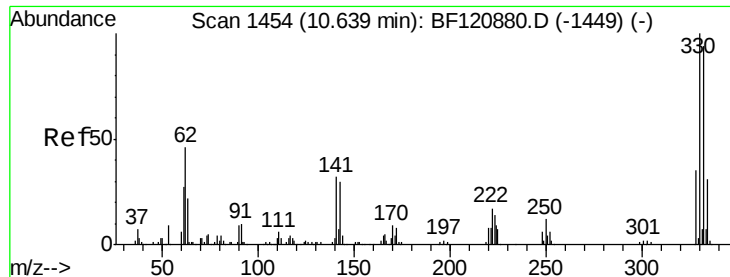


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

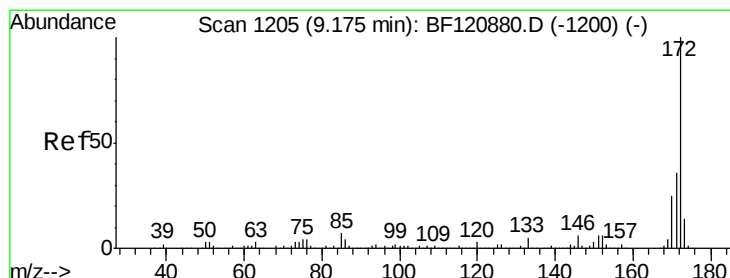
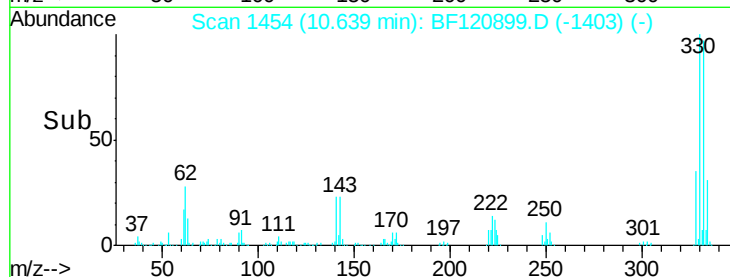
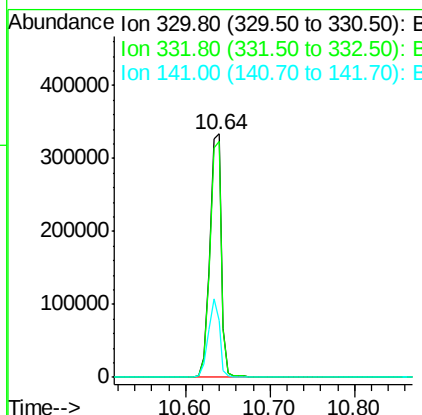
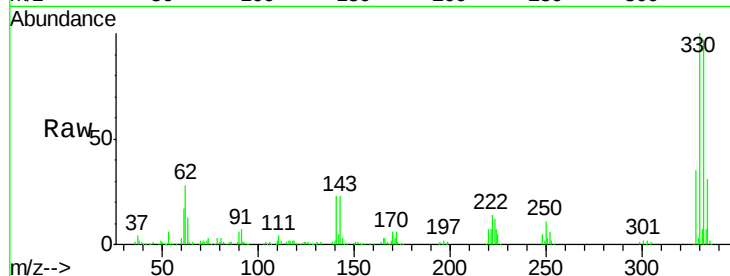




#42  
 2,4,6-Tribromophenol  
 Concen: 91.843 ng  
 RT: 10.64 min Scan# 1454  
 Delta R.T. 0.00 min  
 Lab File: BF120899.D  
 Acq: 16 Jul 2020 21:55

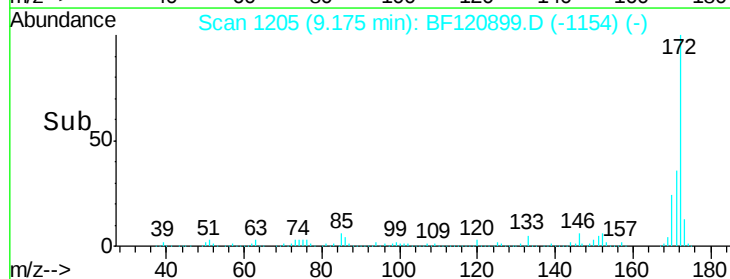
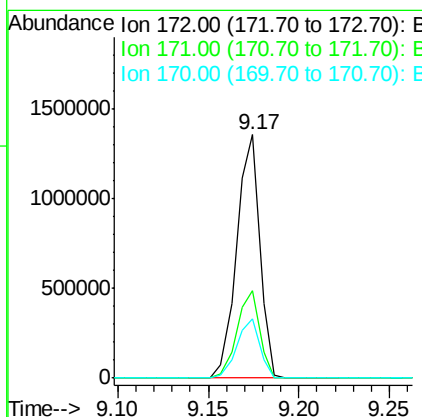
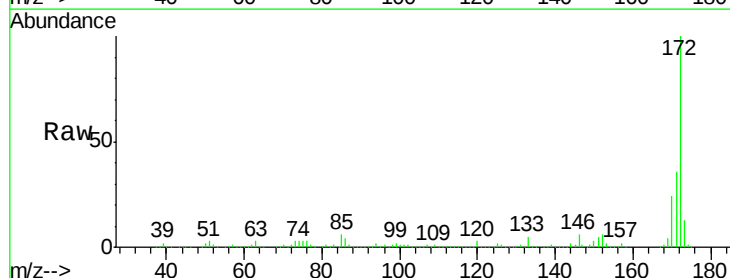
Instrument :  
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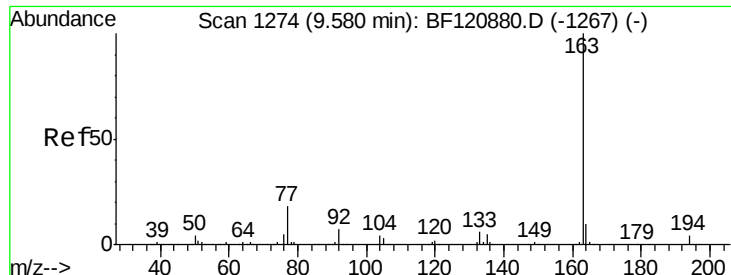
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.1  | 75.5  | 113.3 |
| 141     | 31.1  | 25.7  | 38.5  |



#45  
 2-Fluorobiphenyl  
 Concen: 55.218 ng  
 RT: 9.17 min Scan# 1205  
 Delta R.T. 0.00 min  
 Lab File: BF120899.D  
 Acq: 16 Jul 2020 21:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.2  | 29.0  | 43.4  |
| 170     | 24.4  | 19.6  | 29.4  |

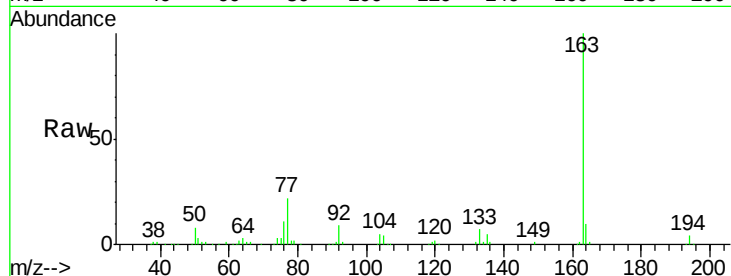




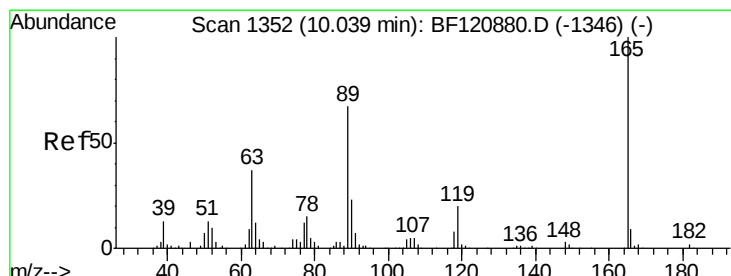
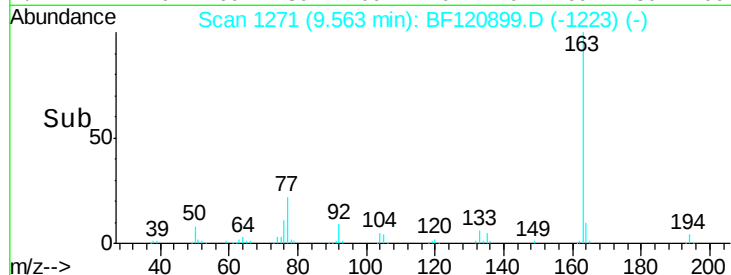
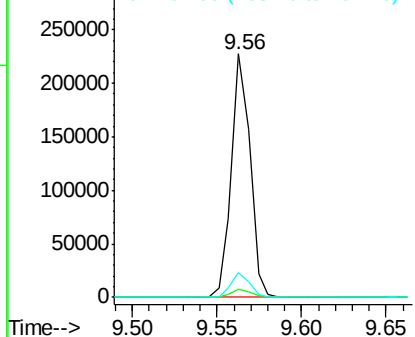
#50  
Dimethylphthalate  
Concen: 7.444 ng  
RT: 9.56 min Scan# 1271  
Delta R.T. -0.02 min  
Lab File: BF120899.D  
Acq: 16 Jul 2020 21:55

Instrument :  
BNA\_F  
ClientSampleId :  
7

Tot Ion:163 Resp: 174171  
Ion Ratio Lower Upper  
163 100  
194 3.5 3.2 4.8  
164 10.0 7.9 11.9

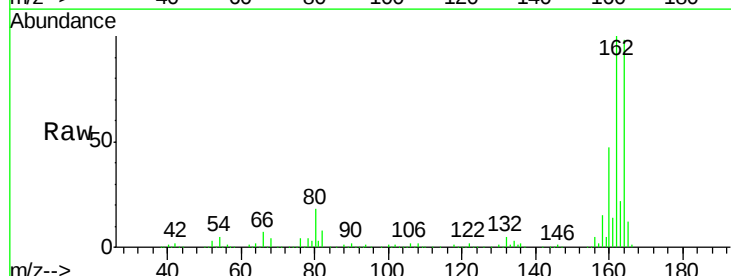


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

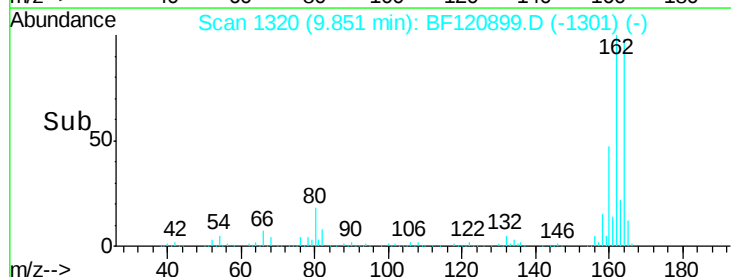
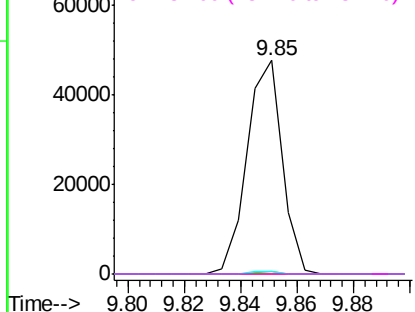


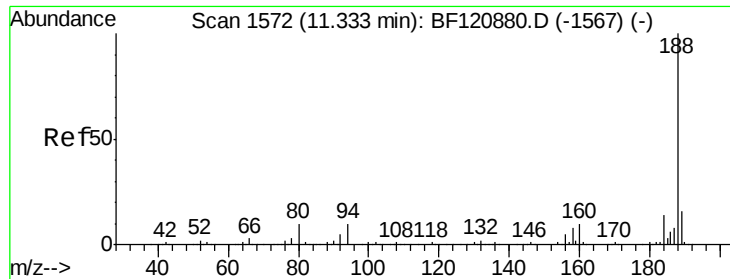
#57  
2,4-Dinitrotoluene  
Concen: 6.252 ng  
RT: 9.85 min Scan# 1320  
Delta R.T. -0.19 min  
Lab File: BF120899.D  
Acq: 16 Jul 2020 21:55

Tgt Ion:165 Resp: 41268  
Ion Ratio Lower Upper  
165 100  
63 1.0 29.4 44.2#  
89 1.4 53.4 80.0#  
182 0.0 1.8 2.6#



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: 11.33 min Scan# 1572

Delta R.T. 0.00 min

Lab File: BF120899.D

Acq: 16 Jul 2020 21:55

Instrument :

BNA\_F

ClientSampleId :

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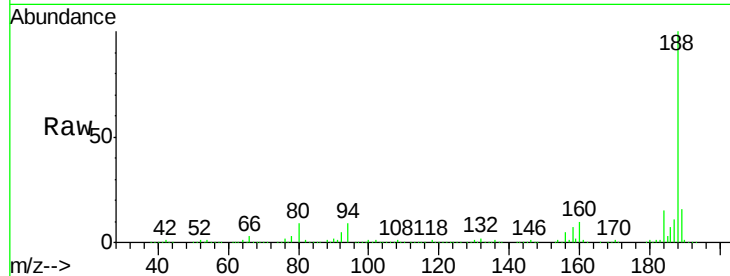
Tot Ion:188 Resp: 634558

Ion Ratio Lower Upper

188 100

94 9.2 8.0 12.0

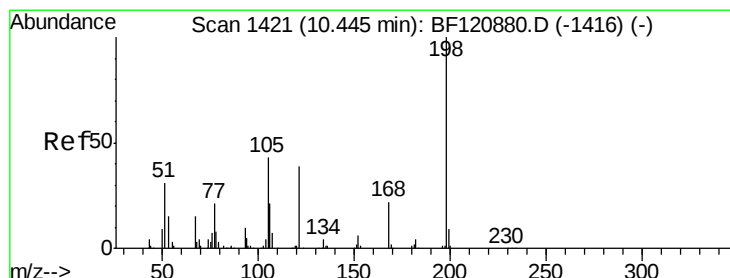
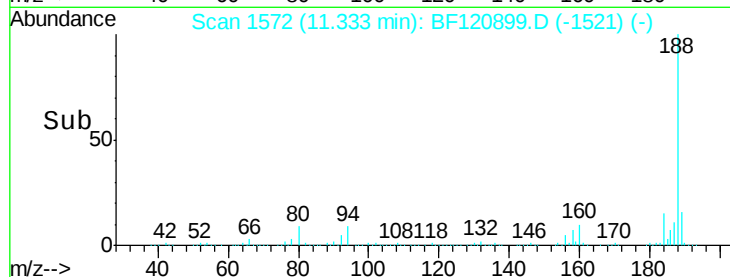
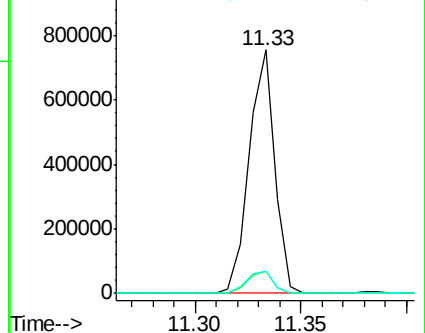
80 9.4 8.3 12.5



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



#65

4,6-Dinitro-2-methylphenol

Concen: 4.009 ng

RT: 10.63 min Scan# 1453

Delta R.T. 0.19 min

Lab File: BF120899.D

Acq: 16 Jul 2020 21:55

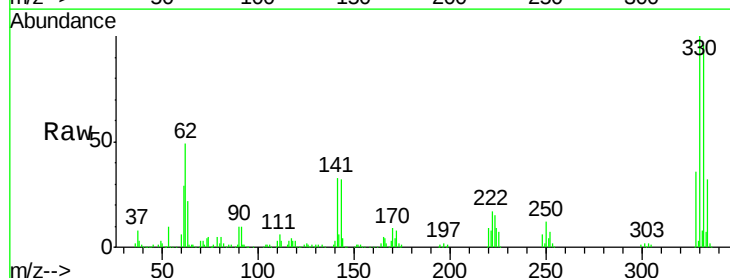
Tgt Ion:198 Resp: 665

Ion Ratio Lower Upper

198 100

51 157.1 19.5 59.5#

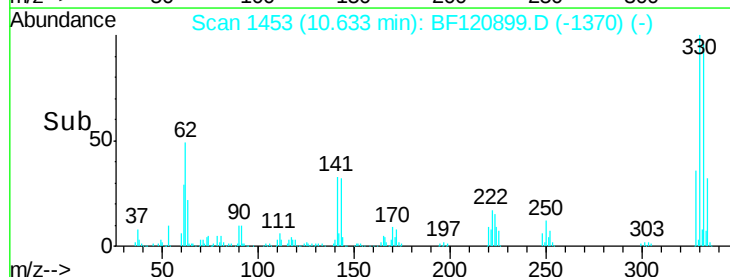
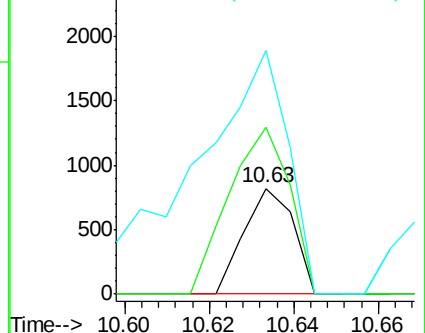
105 230.1 24.4 64.4#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

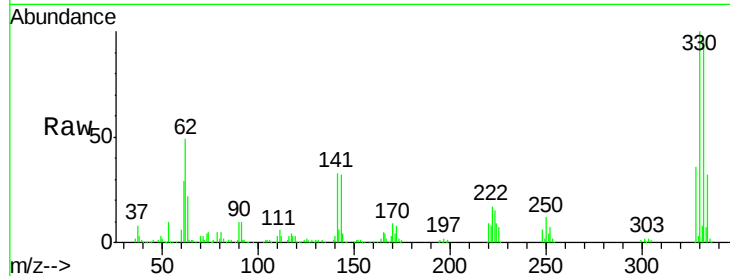




#67  
4-Bromophenyl-phenylether  
Concen: 2.778 ng  
RT: 10.63 min Scan# 1453  
Delta R.T. -0.25 min  
Lab File: BF120899.D  
Acq: 16 Jul 2020 21:55

Instrument :  
BNA\_F  
ClientSampleId :  
7

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 248     | 100   |       |        |
| 250     | 192.6 | 77.1  | 115.7# |
| 141     | 516.3 | 61.2  | 91.8#  |

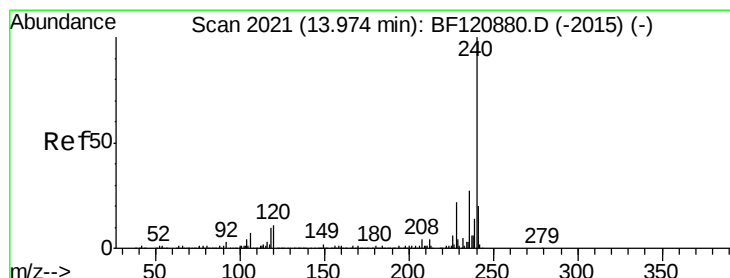
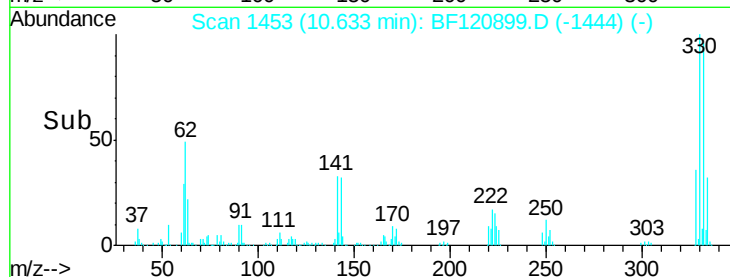
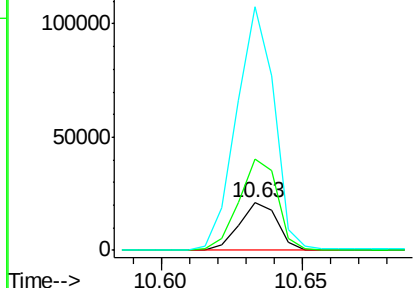


Abundance

Ion 248.00 (247.70 to 248.70): E

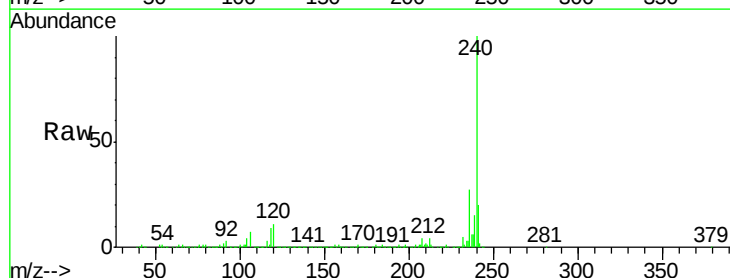
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.97 min Scan# 2020  
Delta R.T. -0.01 min  
Lab File: BF120899.D  
Acq: 16 Jul 2020 21:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 10.6  | 9.0   | 13.4  |
| 236     | 26.8  | 21.7  | 32.5  |

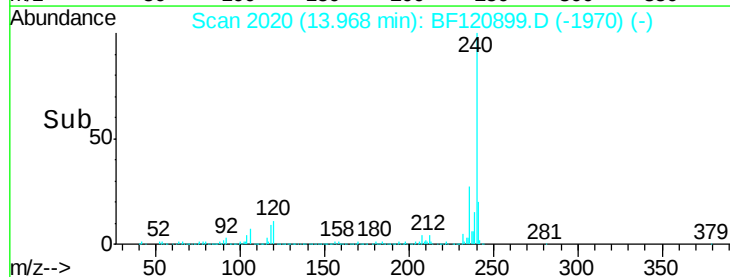
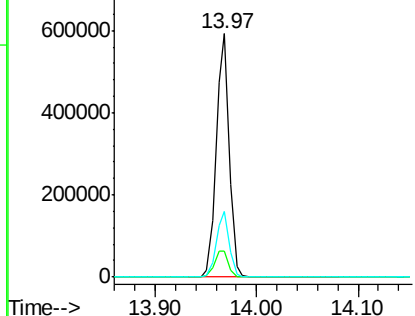


Abundance

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: 56.396 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.00 min

Lab File: BF120899.D

Acq: 16 Jul 2020 21:55

Instrument :

BNA\_F

ClientSampleId :

7

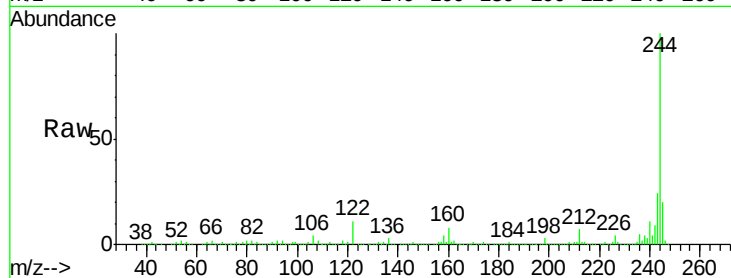
Tot Ion:244 Resp: 1364684

Ion Ratio Lower Upper

244 100

212 7.1 5.6 8.4

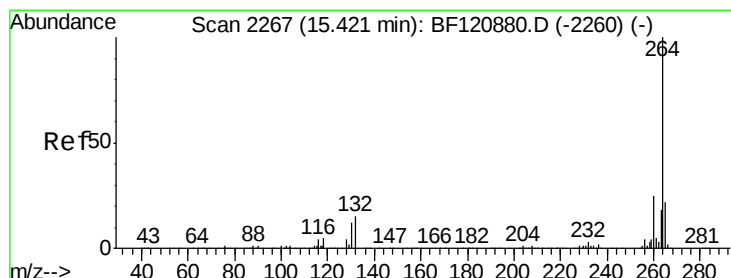
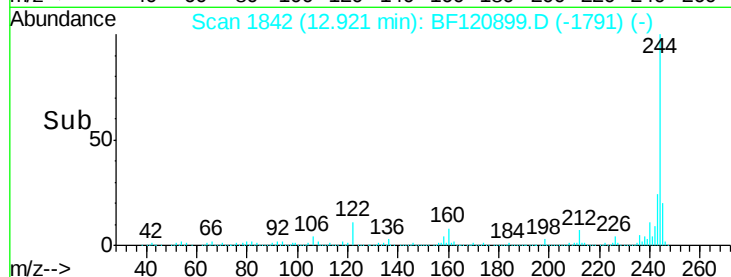
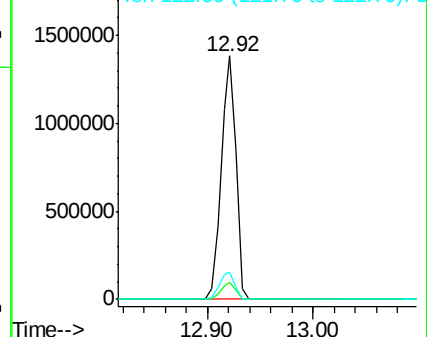
122 11.1 8.9 13.3



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.42 min Scan# 2266

Delta R.T. -0.01 min

Lab File: BF120899.D

Acq: 16 Jul 2020 21:55

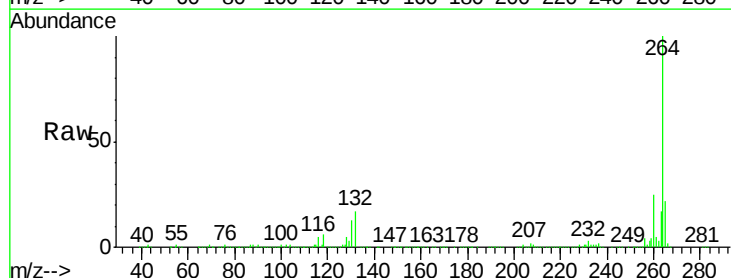
Tgt Ion:264 Resp: 448991

Ion Ratio Lower Upper

264 100

260 25.0 20.0 30.0

265 22.0 17.4 26.2



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

