

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071318\  
 Data File : BF107396.D  
 Acq On : 14 Jul 2018 5:21  
 Operator : JU/SJ  
 Sample : J3970-10  
 Misc :  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 071118-TIPC-F-U-S

Quant Time: Jul 14 06:37:53 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 13 11:54:53 2018  
 Response via : Initial Calibration

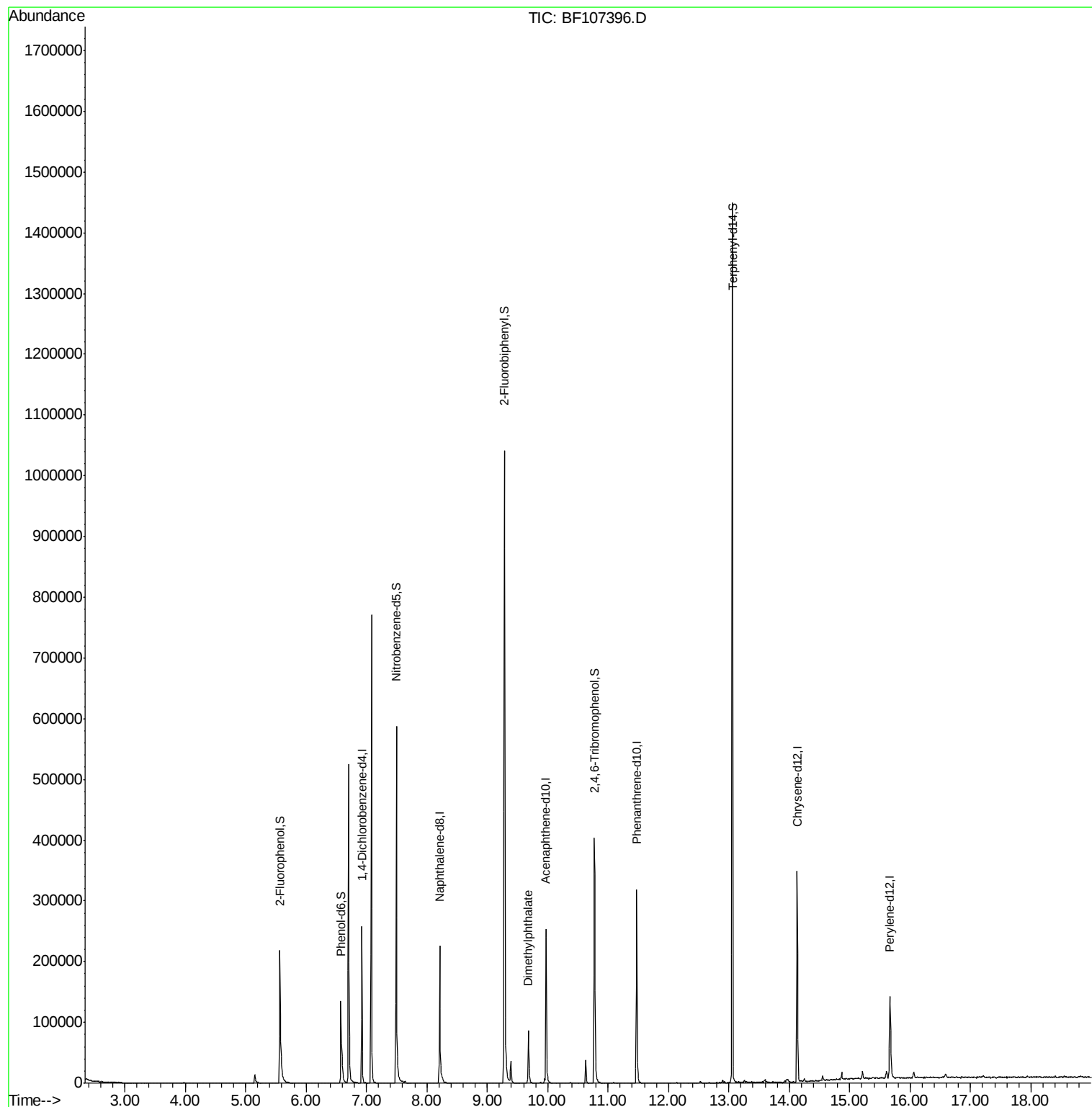
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.92  | 152  | 38883    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.21  | 136  | 135881   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.97  | 164  | 65025    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.47 | 188  | 143467   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 14.13 | 240  | 133129   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.67 | 264  | 89907    | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.57  | 112  | 95316    | 41.51  | ng    | 0.00     |
| 7) Phenol-d6                | 6.58  | 99   | 69856    | 24.36  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.50  | 82   | 218943   | 89.54  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.78 | 330  | 71547    | 94.93  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.28  | 172  | 398152   | 107.55 | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.06 | 244  | 604668   | 110.02 | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 49) Dimethylphthalate       | 9.68  | 163  | 45834    | 9.398  | ng    | 98       |

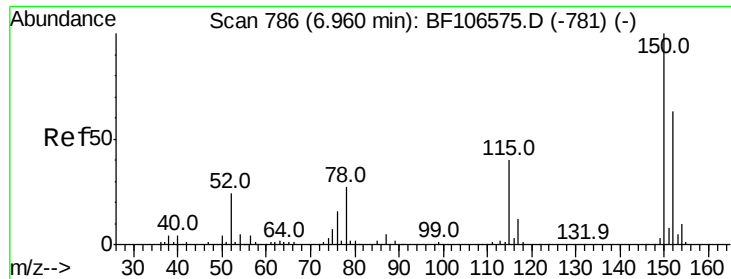
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : J3970-10  
Misc :  
ALS Vial : 41 Sample Multiplier: 1

Instrument :  
BNA\_F  
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071118-TIPC-F-U-S

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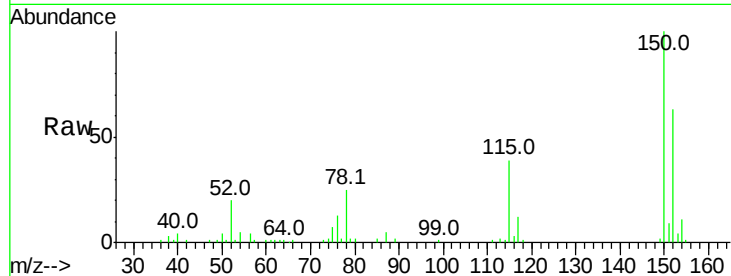


#1

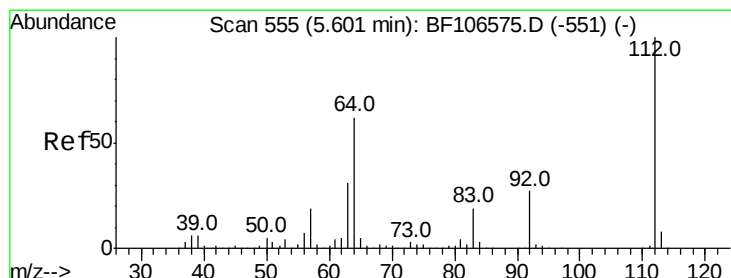
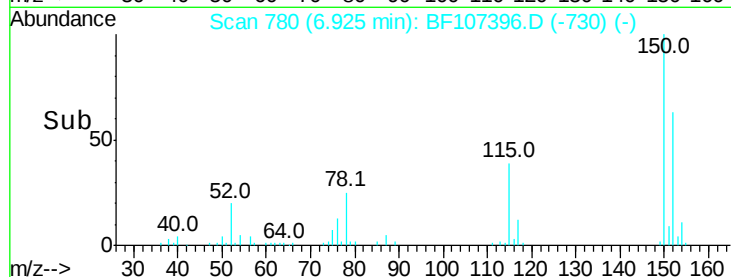
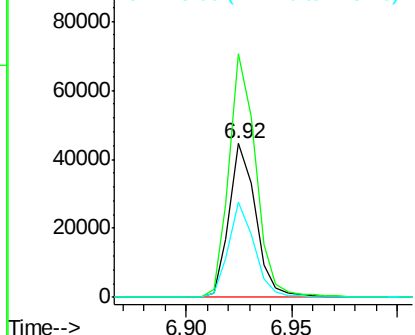
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.92 min Scan# 780  
Delta R.T. -0.01 min  
Lab File: BF107396.D  
Acq: 14 Jul 2018 5:21

Instrument :  
BNA\_F  
ClientSampleId :  
071118-TIPC-F-U-S

Tot Ion:152 Resp: 38883  
Ion Ratio Lower Upper  
152 100  
150 158.4 124.6 186.8  
115 62.2 50.1 75.1



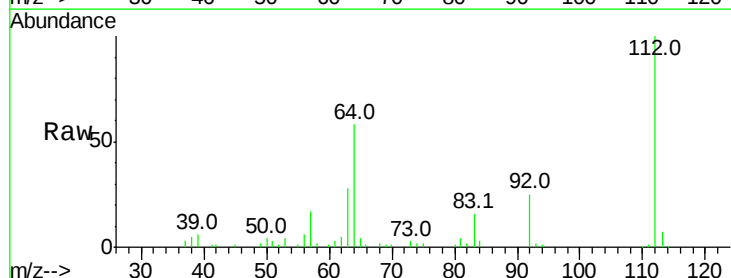
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



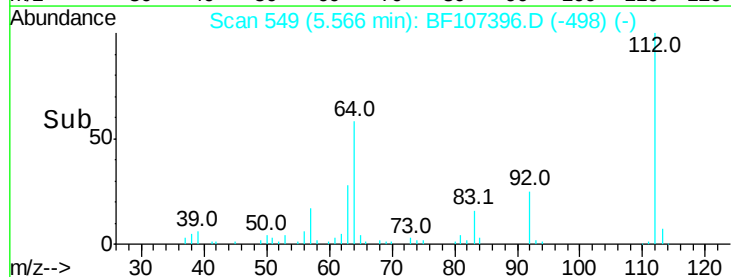
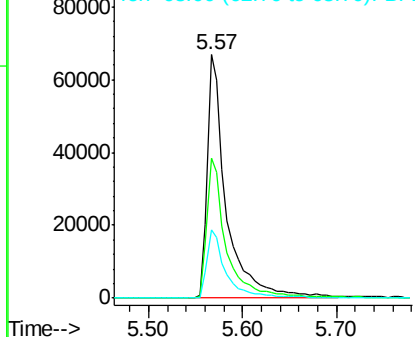
#5

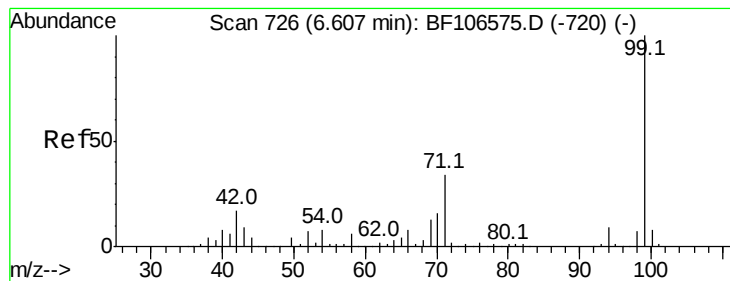
2-Fluorophenol  
Concen: 41.509 ng  
RT: 5.57 min Scan# 549  
Delta R.T. 0.00 min  
Lab File: BF107396.D  
Acq: 14 Jul 2018 5:21

Tgt Ion:112 Resp: 95316  
Ion Ratio Lower Upper  
112 100  
64 57.7 47.9 71.9  
63 28.1 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: 24.361 ng

RT: 6.58 min Scan# 721

Delta R.T. 0.00 min

Lab File: BF107396.D

Acq: 14 Jul 2018 5:21

Instrument :

BNA\_F

ClientSampleId :

071118-TIPC-F-U-S

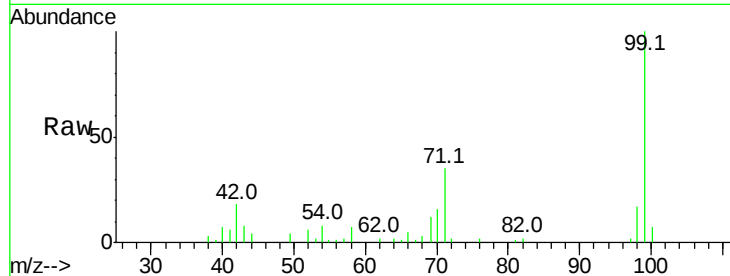
Tot Ion: 99 Resp: 69856

Ion Ratio Lower Upper

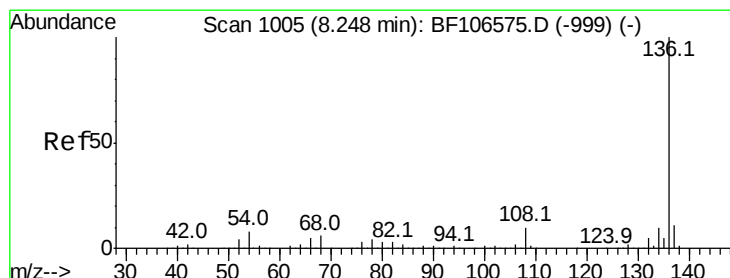
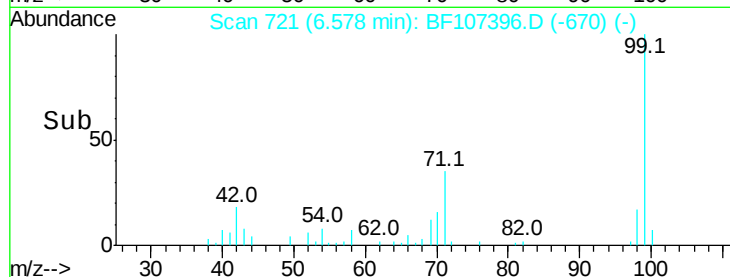
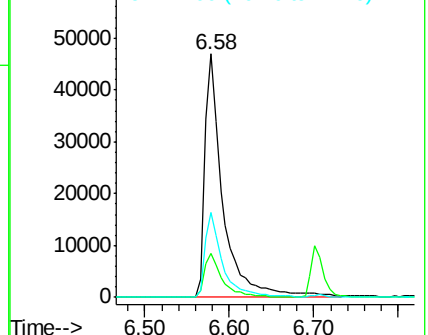
99 100

42 18.2 14.5 21.7

71 34.7 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.21 min Scan# 999

Delta R.T. 0.00 min

Lab File: BF107396.D

Acq: 14 Jul 2018 5:21

Tgt Ion: 136 Resp: 135881

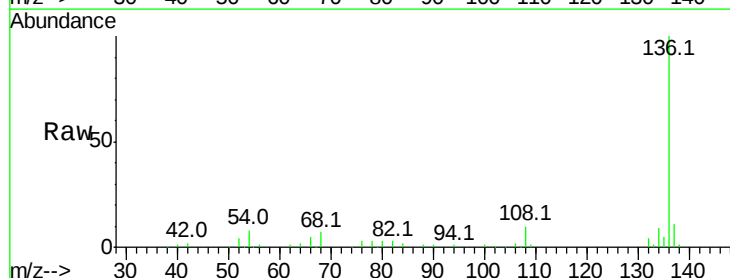
Ion Ratio Lower Upper

136 100

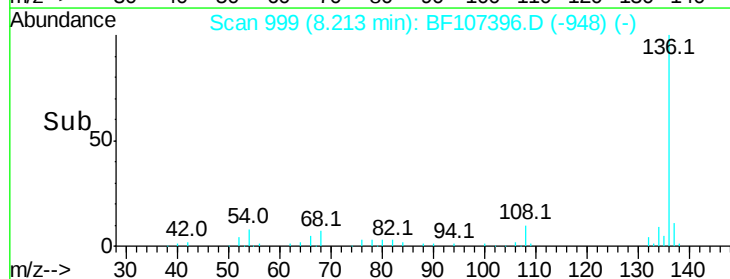
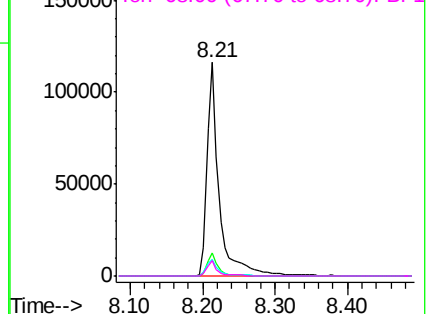
137 10.5 8.9 13.3

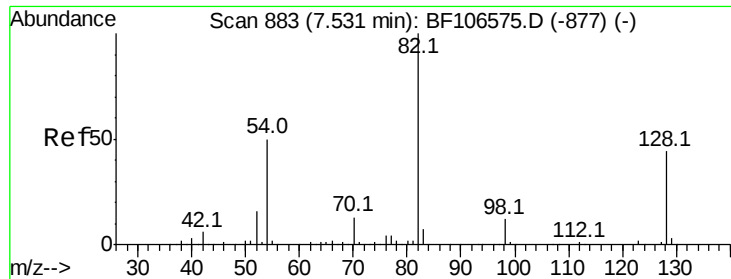
54 7.8 6.6 9.8

68 7.1 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

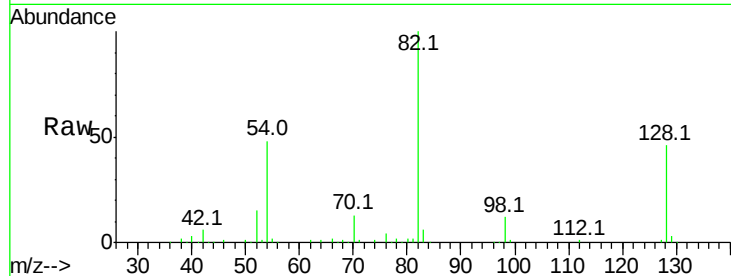




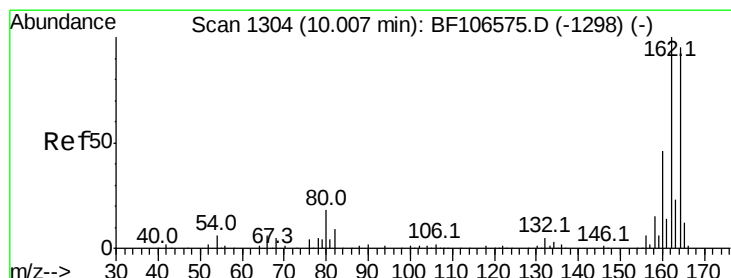
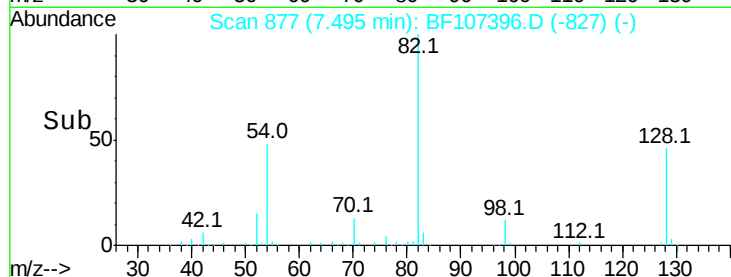
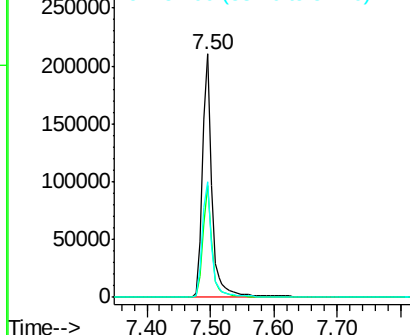
#23  
 Nitrobenzene-d5  
 Concen: 89.545 ng  
 RT: 7.50 min Scan# 877  
 Delta R.T. -0.01 min  
 Lab File: BF107396.D  
 Acq: 14 Jul 2018 5:21

Instrument :  
 BNA\_F  
 ClientSampleId :  
 071118-TIPC-F-U-S

Tot Ion: 82 Resp: 218943  
 Ion Ratio Lower Upper  
 82 100  
 128 45.8 36.1 54.1  
 54 47.7 41.4 62.2

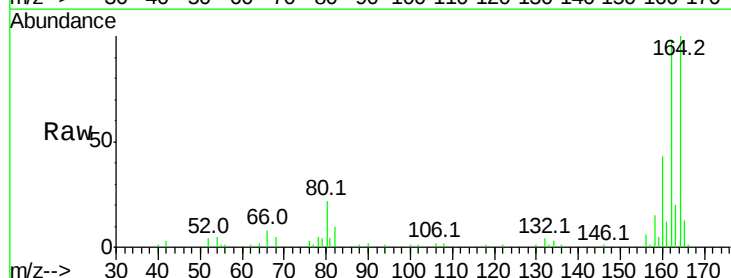


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

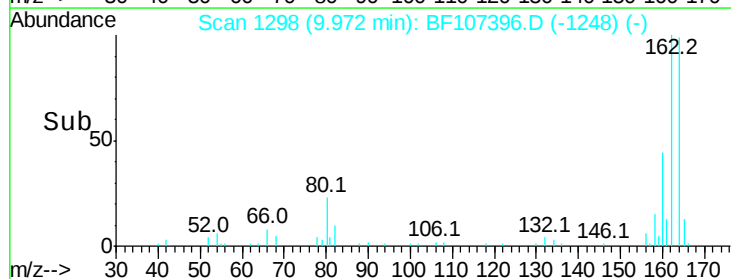
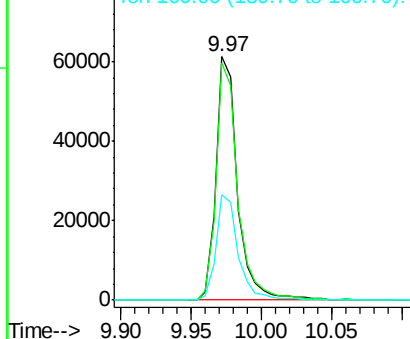


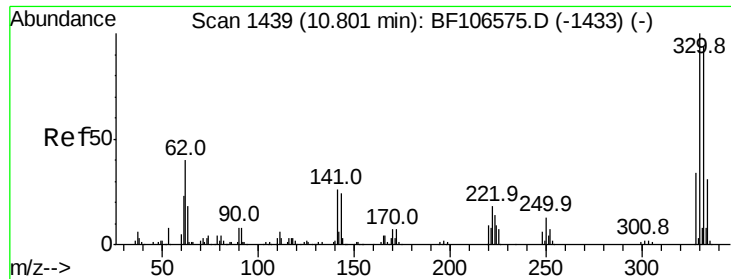
#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.97 min Scan# 1298  
 Delta R.T. -0.01 min  
 Lab File: BF107396.D  
 Acq: 14 Jul 2018 5:21

Tgt Ion: 164 Resp: 65025  
 Ion Ratio Lower Upper  
 164 100  
 162 97.6 86.1 129.1  
 160 43.3 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): BF1  
 Ion 162.00 (161.70 to 162.70): BF1  
 Ion 160.00 (159.70 to 160.70): BF1

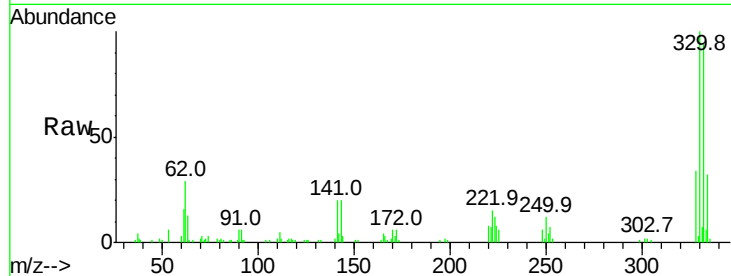




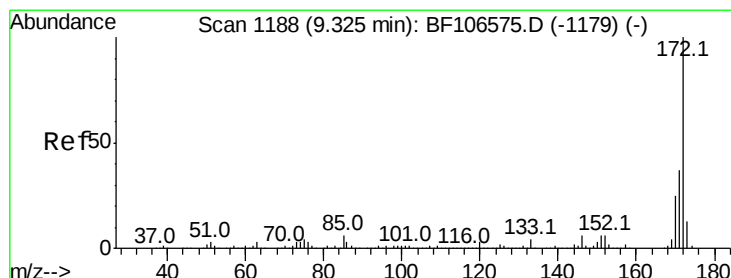
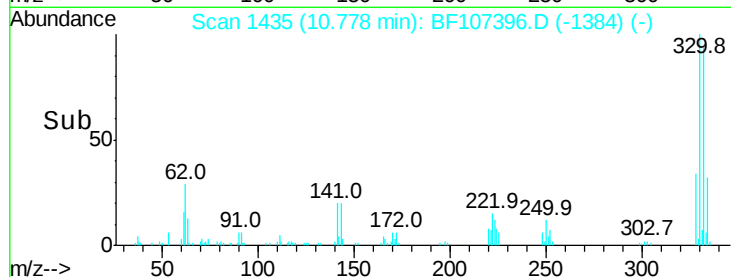
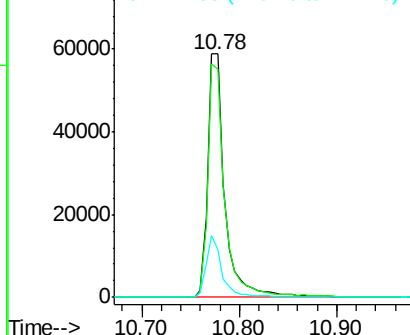
#41  
 2,4,6-Tribromophenol  
 Concen: 94.933 ng  
 RT: 10.78 min Scan# 1435  
 Delta R.T. 0.00 min  
 Lab File: BF107396.D  
 Acq: 14 Jul 2018 5:21

Instrument :  
 BNA\_F  
 ClientSampleId :  
 071118-TIPC-F-U-S

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.0  | 77.0  | 115.6 |
| 141     | 23.3  | 29.9  | 44.9# |

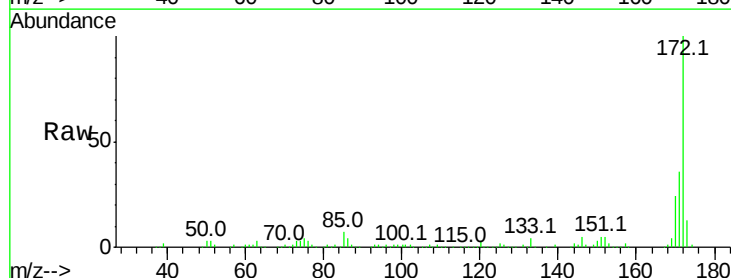


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

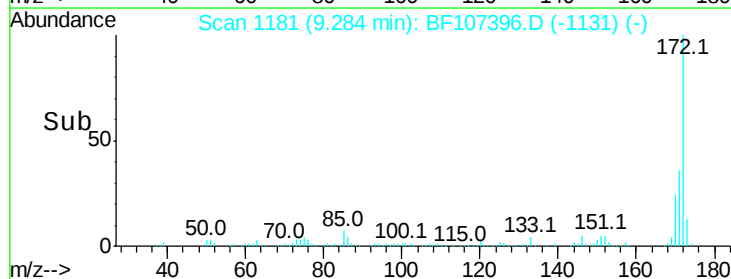
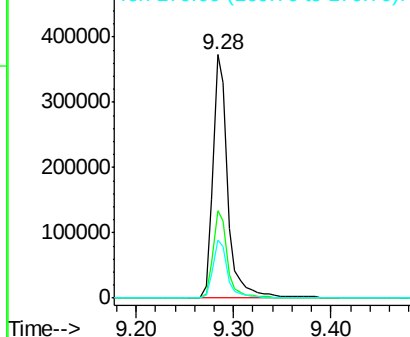


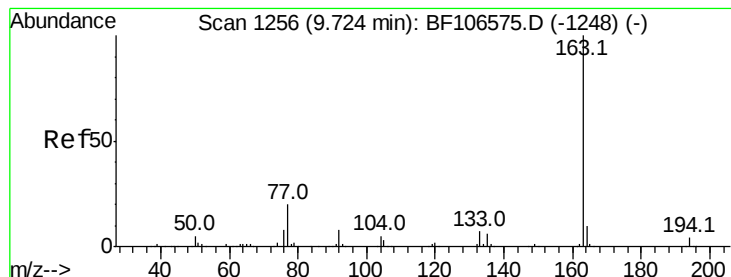
#44  
 2-Fluorobiphenyl  
 Concen: 107.555 ng  
 RT: 9.28 min Scan# 1181  
 Delta R.T. -0.01 min  
 Lab File: BF107396.D  
 Acq: 14 Jul 2018 5:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.7  | 29.7  | 44.5  |
| 170     | 23.9  | 19.6  | 29.4  |



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





#49

Dimethylphthalate

Concen: 9.398 ng

RT: 9.68 min Scan# 1249

Delta R.T. -0.01 min

Lab File: BF107396.D

Acq: 14 Jul 2018 5:21

Instrument :

BNA\_F

ClientSampleId :

071118-TIPC-F-U-S

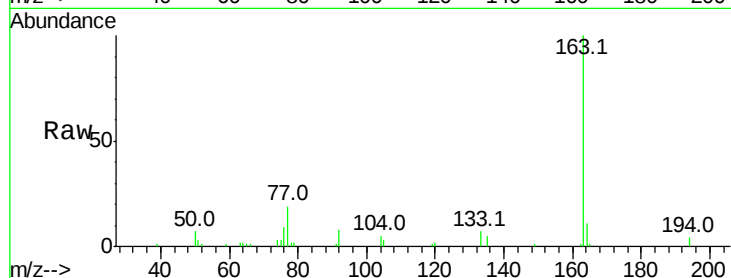
Tot Ion:163 Resp: 45834

Ion Ratio Lower Upper

163 100

194 3.7 2.7 4.1

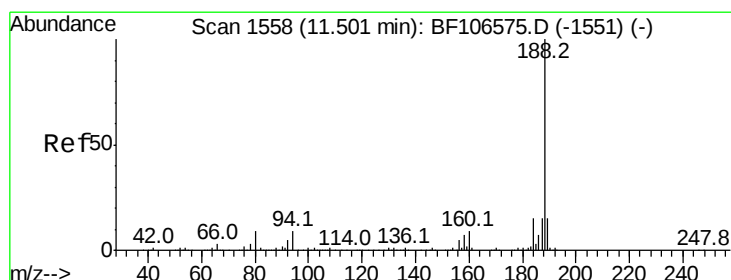
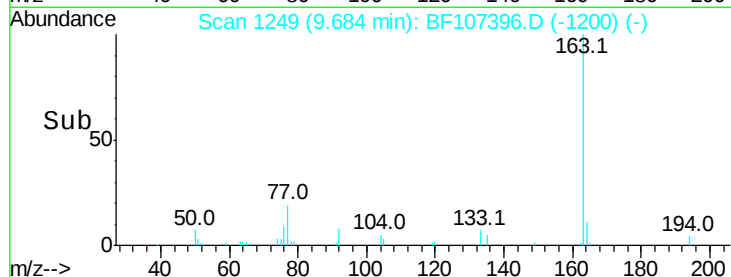
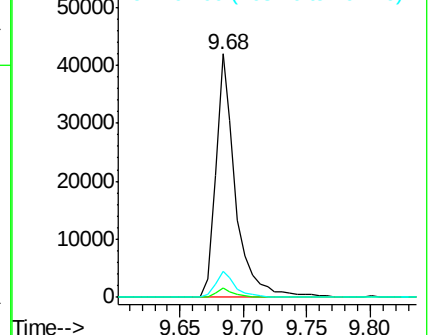
164 10.9 8.2 12.2



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



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.47 min Scan# 1553

Delta R.T. -0.01 min

Lab File: BF107396.D

Acq: 14 Jul 2018 5:21

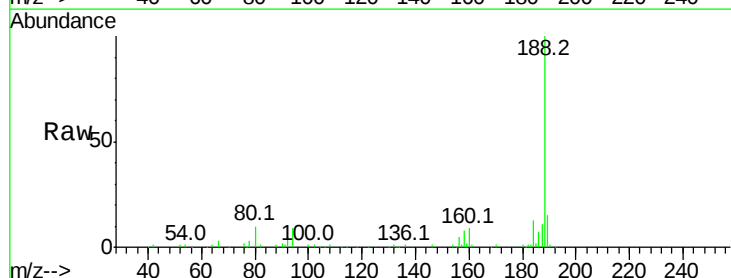
Tgt Ion:188 Resp: 143467

Ion Ratio Lower Upper

188 100

94 9.2 8.5 12.7

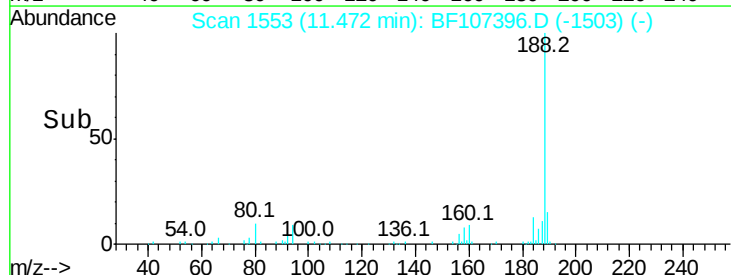
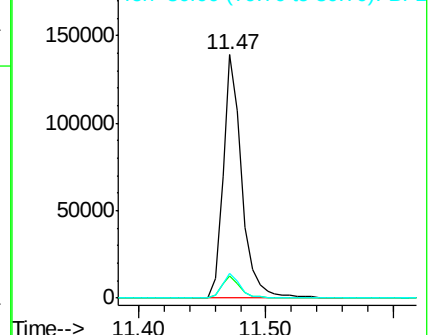
80 10.1 9.2 13.8

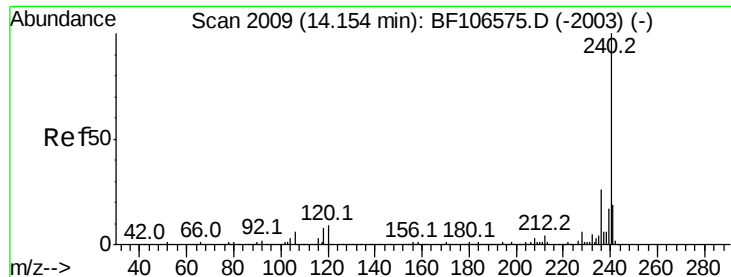


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.13 min Scan# 2005

Delta R.T. -0.01 min

Lab File: BF107396.D

Acq: 14 Jul 2018 5:21

Instrument :

BNA\_F

ClientSampleId :

071118-TIPC-F-U-S

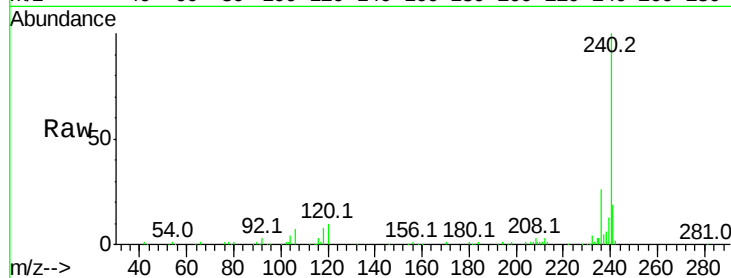
Tot Ion:240 Resp: 133129

Ion Ratio Lower Upper

240 100

120 9.6 9.5 14.3

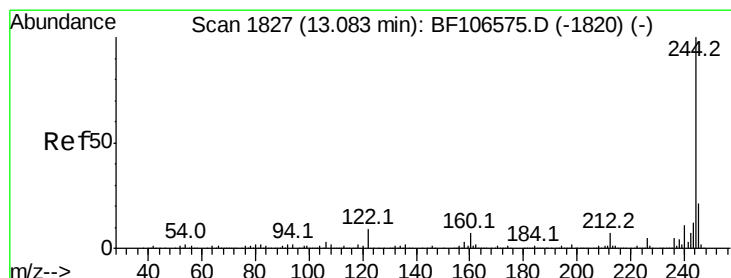
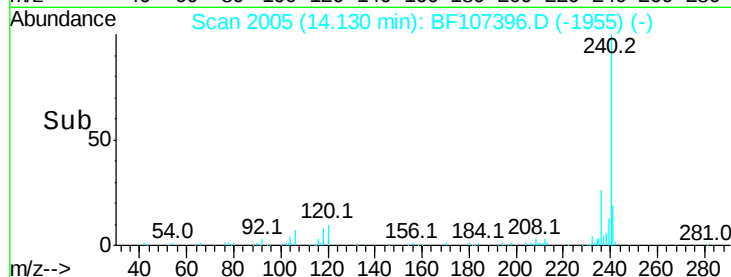
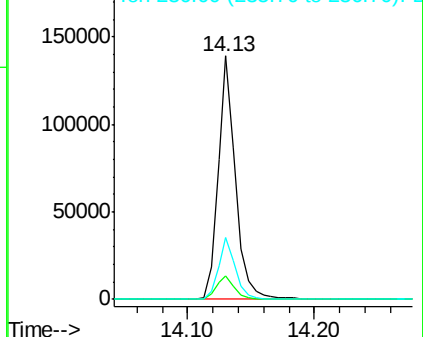
236 25.6 20.7 31.1



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: 110.020 ng

RT: 13.06 min Scan# 1823

Delta R.T. 0.00 min

Lab File: BF107396.D

Acq: 14 Jul 2018 5:21

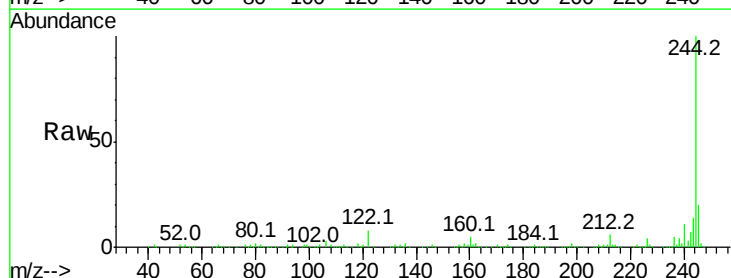
Tgt Ion:244 Resp: 604668

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.0

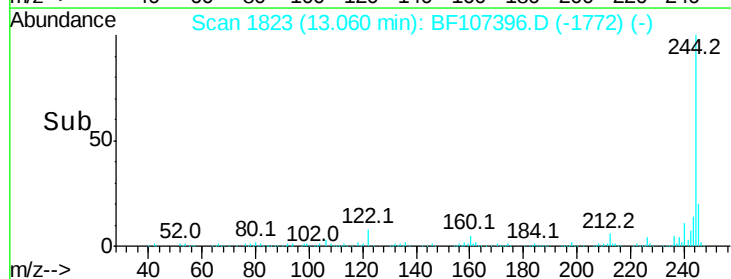
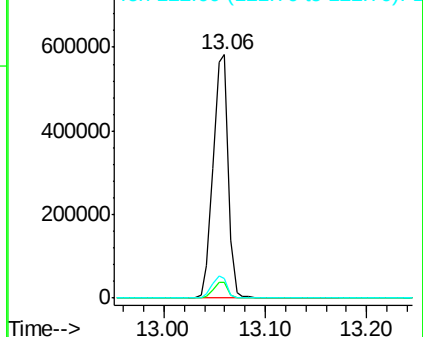
122 8.1 11.0 16.4#

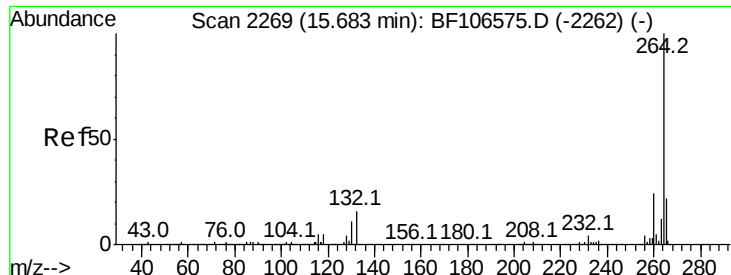


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

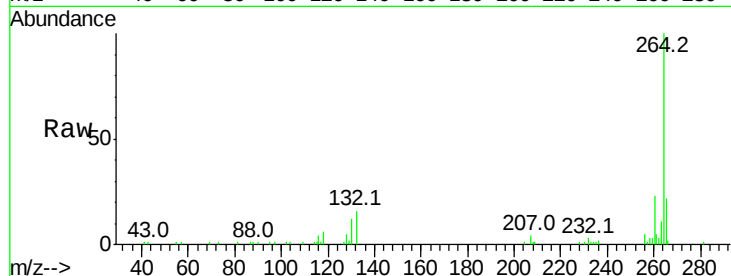




#86  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 15.67 min Scan# 2266  
 Delta R.T. 0.00 min  
 Lab File: BF107396.D  
 Acq: 14 Jul 2018 5:21

Instrument :  
 BNA\_F  
 ClientSampleId :  
 071118-TIPC-F-U-S

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:264 | Resp: | 89907     |
| Ion Ratio   | Lower | Upper     |
| 264         | 100   |           |
| 260         | 22.9  | 19.2 28.8 |
| 265         | 21.7  | 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

