

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122515\  
 Data File : BF084138.D  
 Acq On : 25 Dec 2015 19:43  
 Operator : UM/SJ  
 Sample : G4920-01  
 Misc :  
 ALS Vial : 55 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 IM-CLAY-006

Quant Time: Dec 26 04:22:32 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 24 16:48:39 2015  
 Response via : Initial Calibration

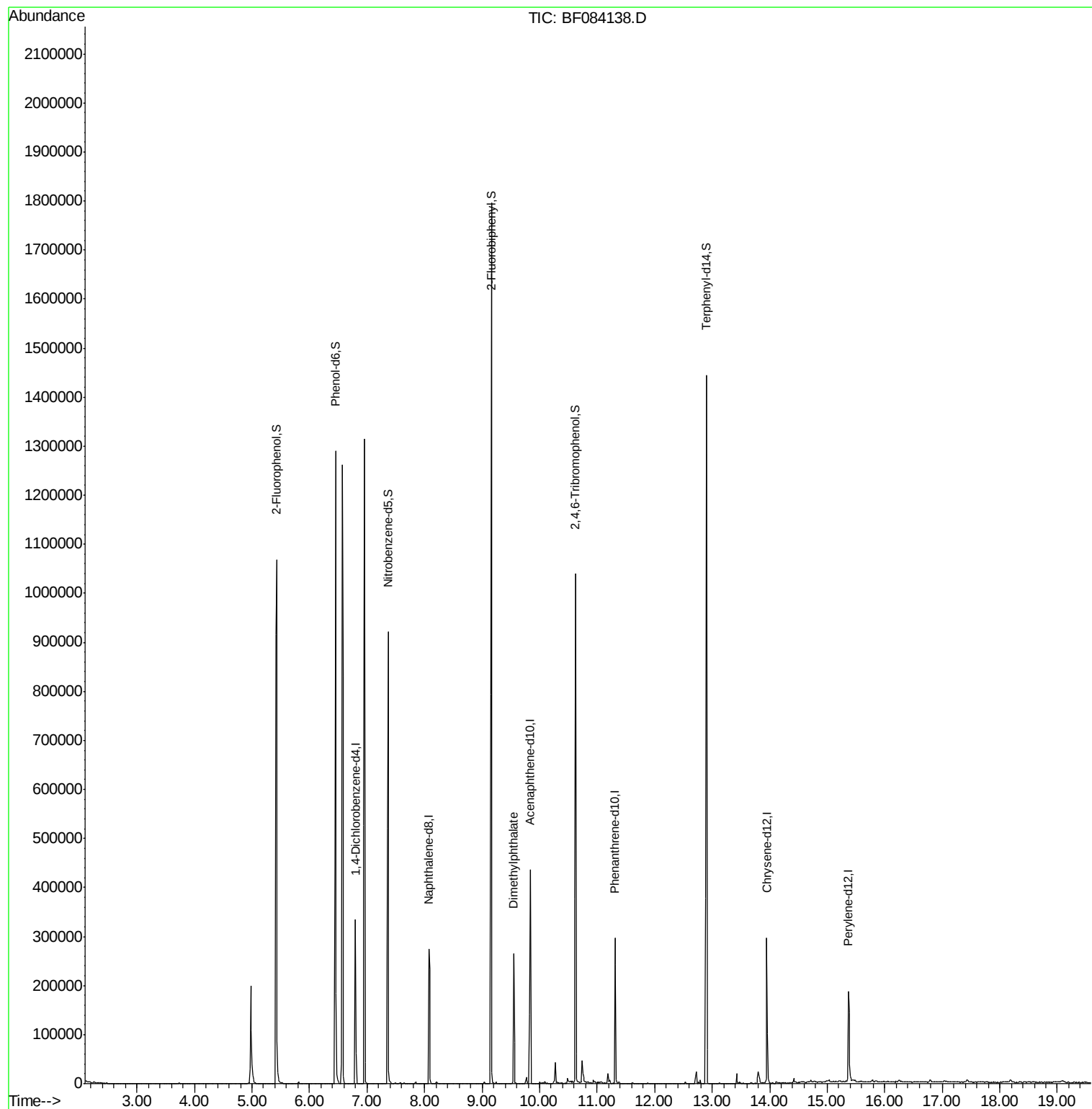
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.80  | 152  | 49918    | 20.00  | ng    | 0.00           |
| 21) Naphthalene-d8          | 8.08  | 136  | 185298   | 20.00  | ng    | -0.01          |
| 38) Acenaphthene-d10        | 9.84  | 164  | 89591    | 20.00  | ng    | 0.00           |
| 63) Phenanthrene-d10        | 11.31 | 188  | 150708   | 20.00  | ng    | -0.01          |
| 75) Chrysene-d12            | 13.95 | 240  | 107494   | 20.00  | ng    | -0.01          |
| 86) Perylene-d12            | 15.37 | 264  | 97469    | 20.00  | ng    | -0.01          |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 5.42  | 112  | 447210   | 151.89 | ng    | 0.01           |
| 7) Phenol-d6                | 6.45  | 99   | 489137   | 134.26 | ng    | 0.00           |
| 23) Nitrobenzene-d5         | 7.37  | 82   | 358444   | 113.23 | ng    | 0.00           |
| 41) 2,4,6-Tribromophenol    | 10.62 | 330  | 129504   | 135.55 | ng    | 0.00           |
| 44) 2-Fluorobiphenyl        | 9.16  | 172  | 622894   | 95.13  | ng    | 0.00           |
| 78) Terphenyl-d14           | 12.90 | 244  | 424029   | 71.38  | ng    | 0.00           |
| Target Compounds            |       |      |          |        |       |                |
| 49) Dimethylphthalate       | 9.55  | 163  | 114140   | 15.38  | ng    | Qvalue<br># 90 |

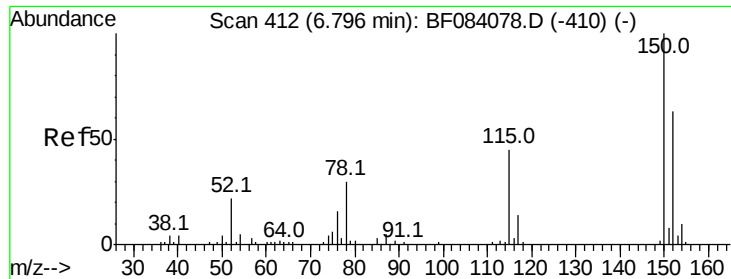
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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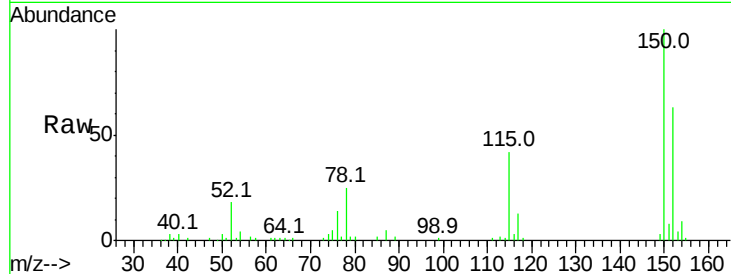


#1

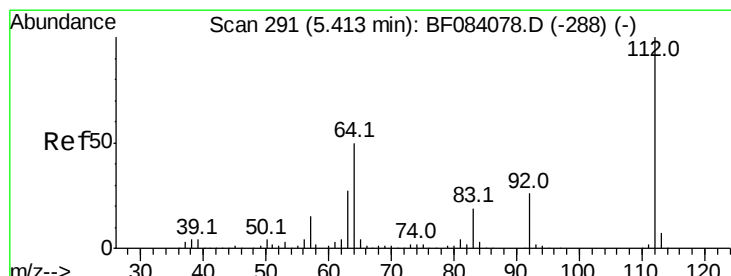
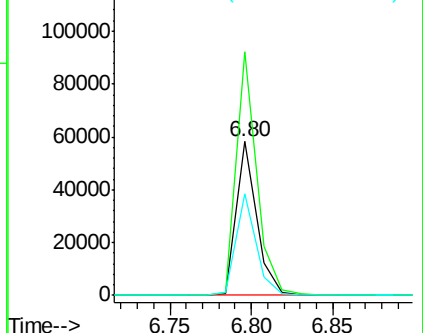
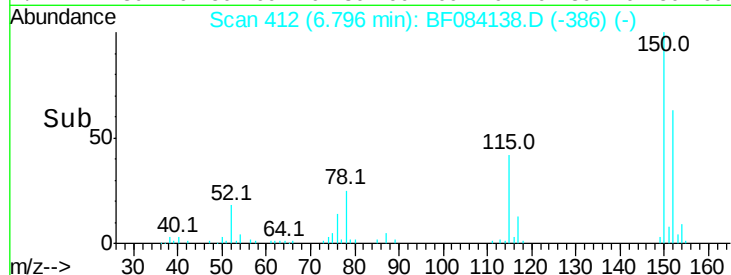
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.80 min Scan# 412  
Delta R.T. 0.00 min  
Lab File: BF084138.D  
Acq: 25 Dec 2015 19:43

Instrument :  
BNA\_F  
ClientSampleId :  
IM-CLAY-006

Tot Ion:152 Resp: 49918  
Ion Ratio Lower Upper  
152 100  
150 158.6 123.0 184.4  
115 65.9 51.4 77.2



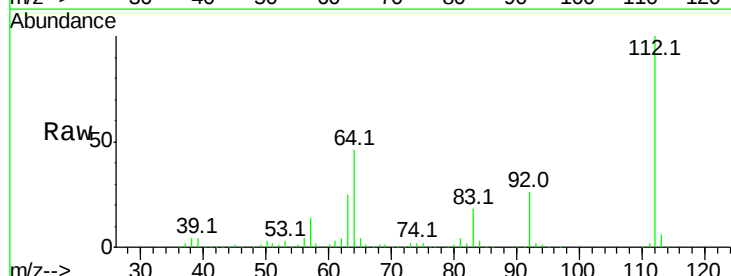
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



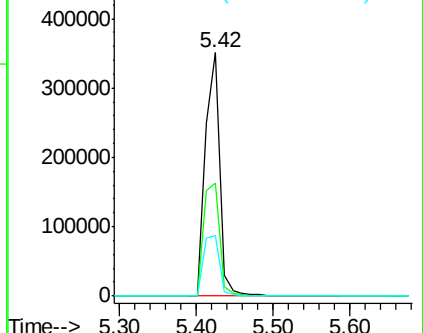
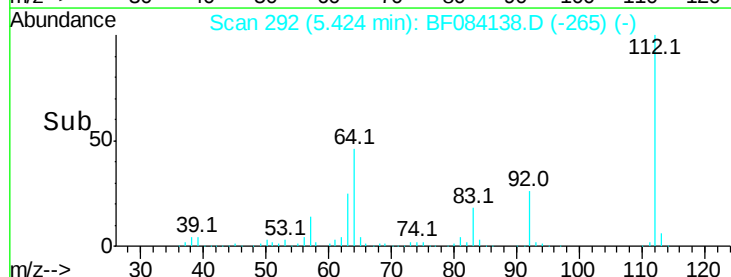
#5

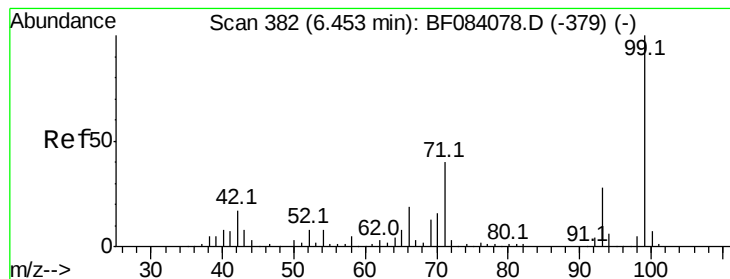
2-Fluorophenol  
Concen: 151.89 ng  
RT: 5.42 min Scan# 292  
Delta R.T. 0.01 min  
Lab File: BF084138.D  
Acq: 25 Dec 2015 19:43

Tgt Ion:112 Resp: 447210  
Ion Ratio Lower Upper  
112 100  
64 46.3 36.6 55.0  
63 24.7 19.4 29.0



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BF0  
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 134.26 ng

RT: 6.45 min Scan# 382

Delta R.T. 0.00 min

Lab File: BF084138.D

Acq: 25 Dec 2015 19:43

Instrument :

BNA\_F

ClientSampleId :

IM-CLAY-006

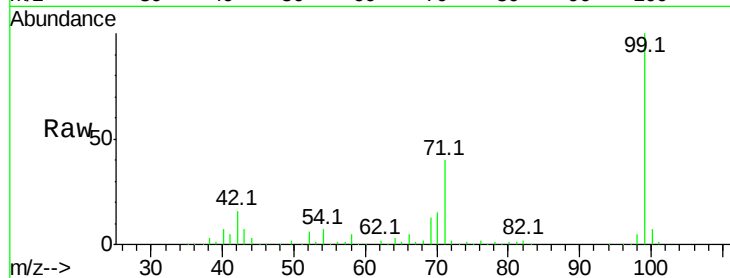
Tot Ion: 99 Resp: 489137

Ion Ratio Lower Upper

99 100

42 16.5 12.8 19.2

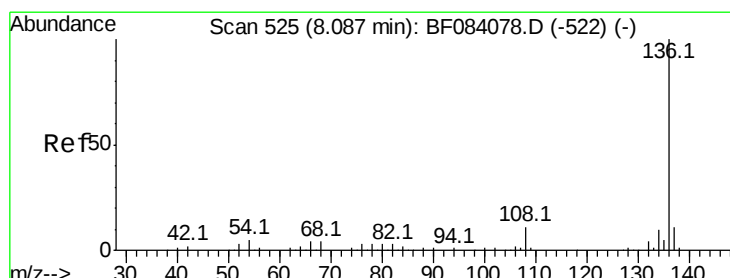
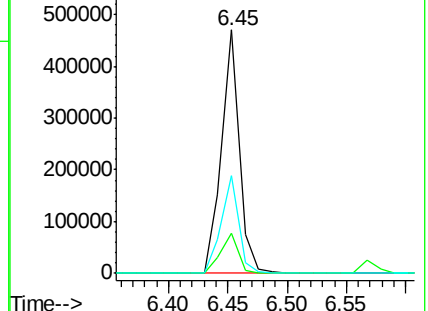
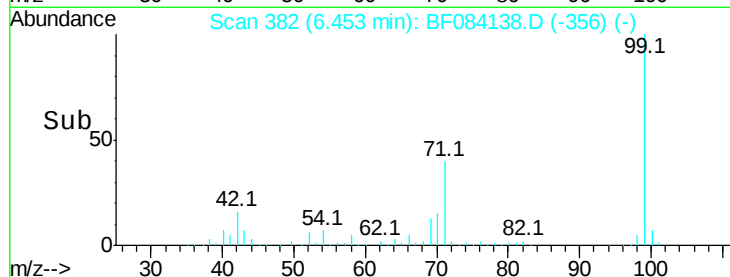
71 40.1 30.9 46.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.08 min Scan# 524

Delta R.T. -0.01 min

Lab File: BF084138.D

Acq: 25 Dec 2015 19:43

Tgt Ion: 136 Resp: 185298

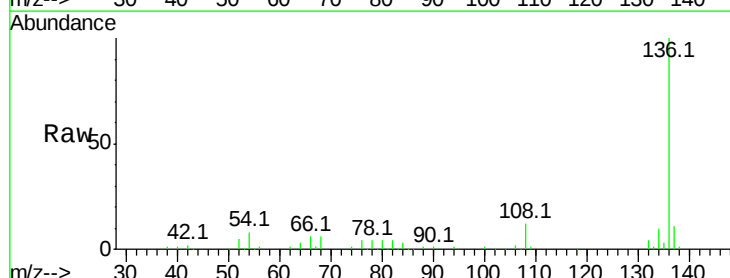
Ion Ratio Lower Upper

136 100

137 11.3 8.7 13.1

54 7.9 5.8 8.8

68 6.0 4.2 6.2

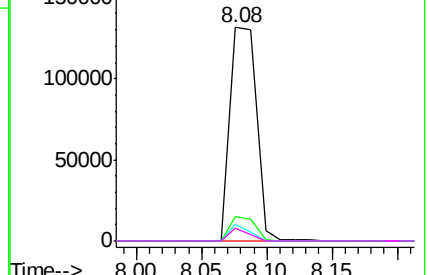
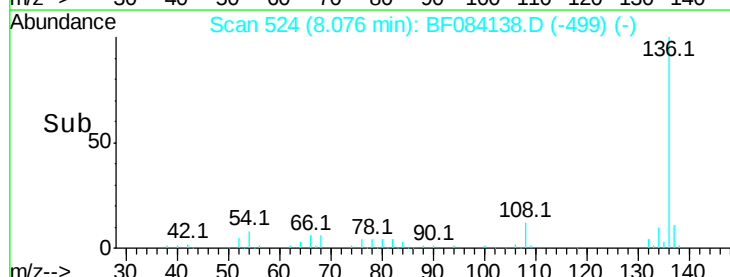


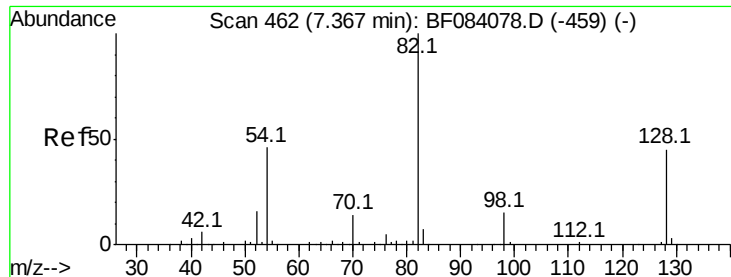
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

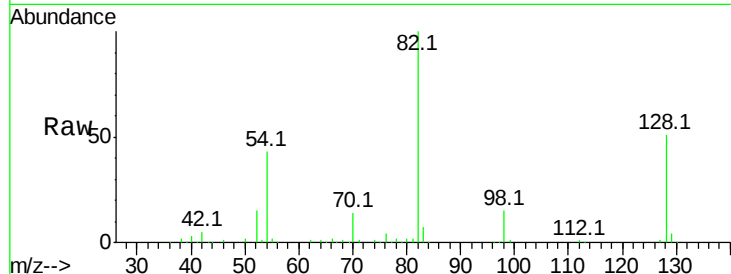




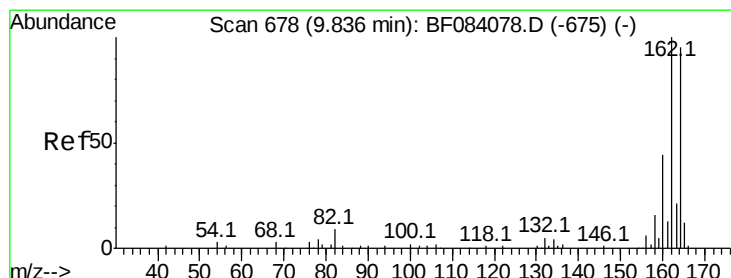
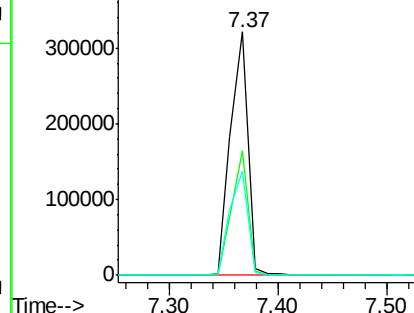
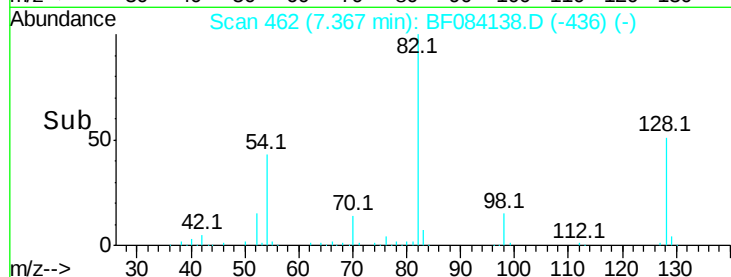
#23  
 Nitrobenzene-d5  
 Concen: 113.23 ng  
 RT: 7.37 min Scan# 462  
 Delta R.T. 0.00 min  
 Lab File: BF084138.D  
 Acq: 25 Dec 2015 19:43

Instrument :  
 BNA\_F  
 ClientSampleId :  
 IM-CLAY-006

| Tot Ion   | 82    | Resp  | 358444 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 51.0  | 34.6  | 51.8   |
| 54        | 42.8  | 38.4  | 57.6   |

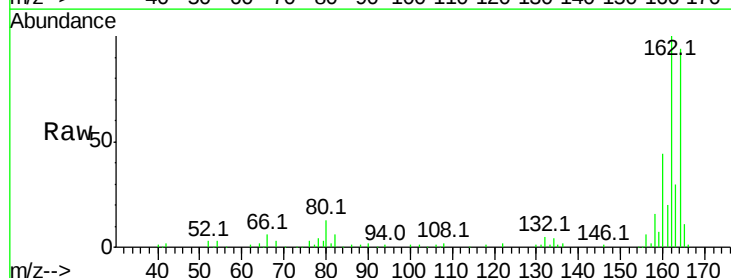


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): B  
 Ion 54.00 (53.70 to 54.70): BF0

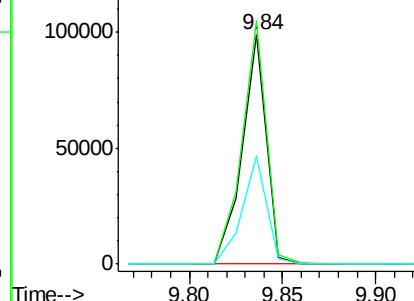
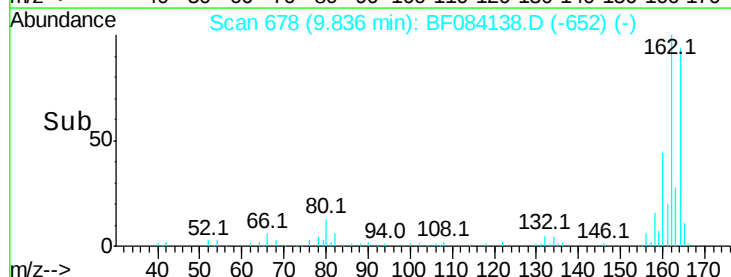


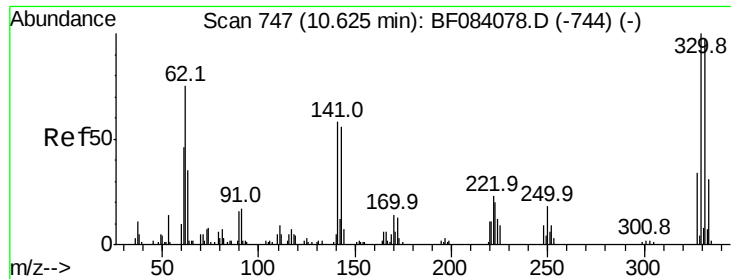
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.84 min Scan# 678  
 Delta R.T. 0.00 min  
 Lab File: BF084138.D  
 Acq: 25 Dec 2015 19:43

| Tgt Ion   | 164   | Resp  | 89591 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 162       | 106.4 | 85.1  | 127.7 |
| 160       | 47.1  | 37.5  | 56.3  |



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

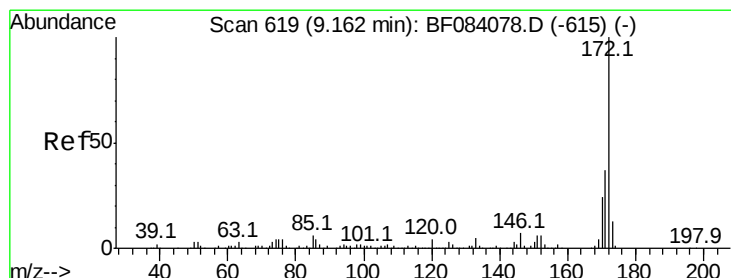
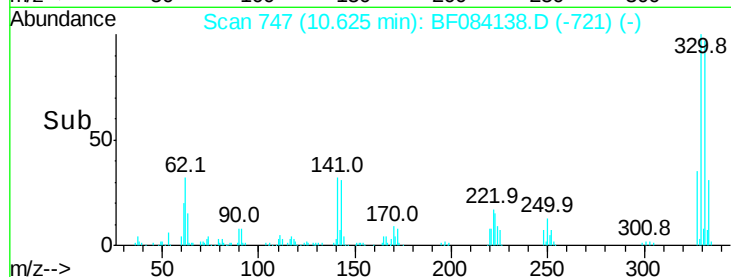
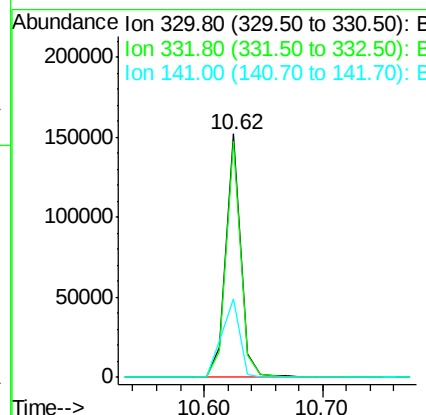
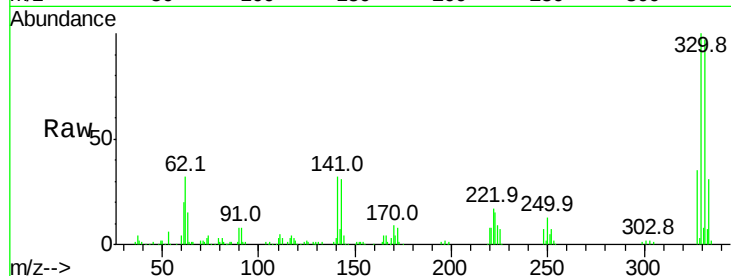




#41  
 2,4,6-Tribromophenol  
 Concen: 135.55 ng  
 RT: 10.62 min Scan# 747  
 Delta R.T. 0.00 min  
 Lab File: BF084138.D  
 Acq: 25 Dec 2015 19:43

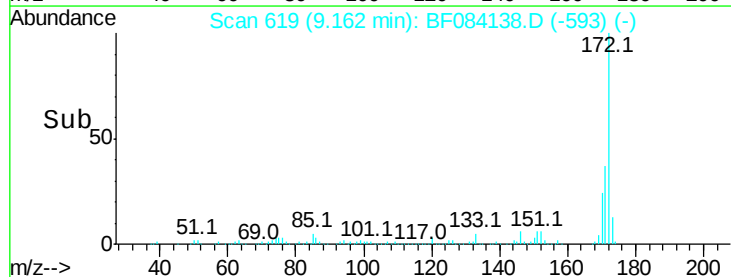
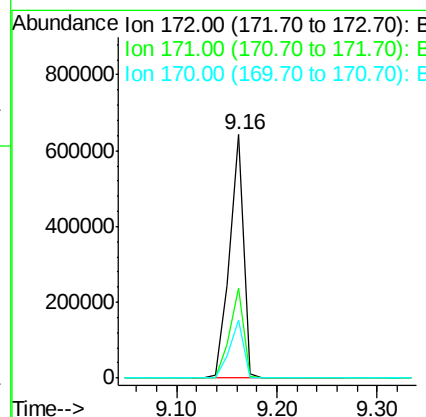
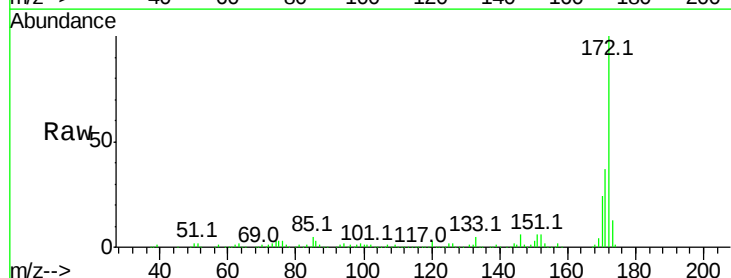
Instrument :  
 BNA\_F  
 ClientSampleId :  
 IM-CLAY-006

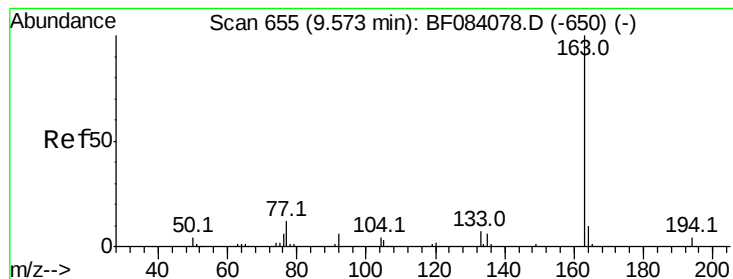
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.1  | 76.6  | 114.8 |
| 141     | 39.5  | 27.8  | 41.6  |



#44  
 2-Fluorobiphenyl  
 Concen: 95.13 ng  
 RT: 9.16 min Scan# 619  
 Delta R.T. 0.00 min  
 Lab File: BF084138.D  
 Acq: 25 Dec 2015 19:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.9  | 28.9  | 43.3  |
| 170     | 23.8  | 18.6  | 27.8  |





#49

Dimethylphthalate

Concen: 15.38 ng

RT: 9.55 min Scan# 653

Delta R.T. -0.02 min

Lab File: BF084138.D

Acq: 25 Dec 2015 19:43

Instrument :

BNA\_F

ClientSampleId :

IM-CLAY-006

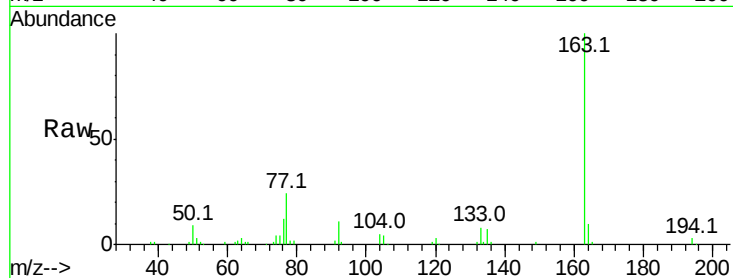
Tot Ion:163 Resp: 114140

Ion Ratio Lower Upper

163 100

194 2.8 8.0 12.0#

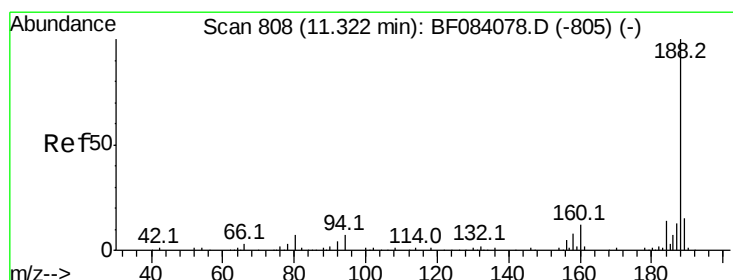
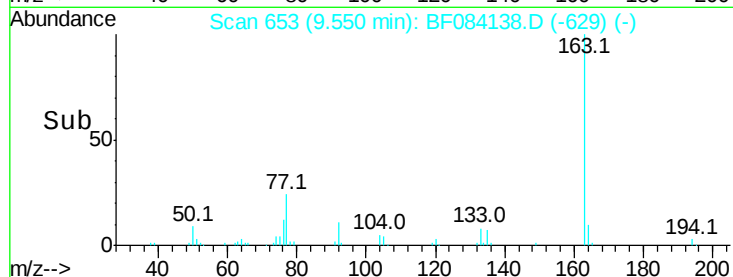
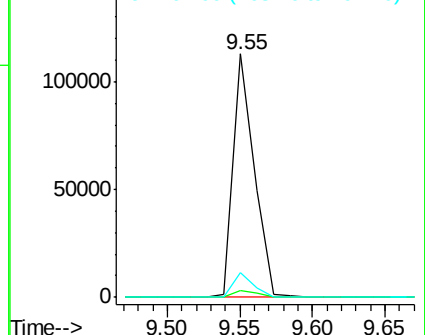
164 10.4 8.0 12.0



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: 20.00 ng

RT: 11.31 min Scan# 807

Delta R.T. -0.01 min

Lab File: BF084138.D

Acq: 25 Dec 2015 19:43

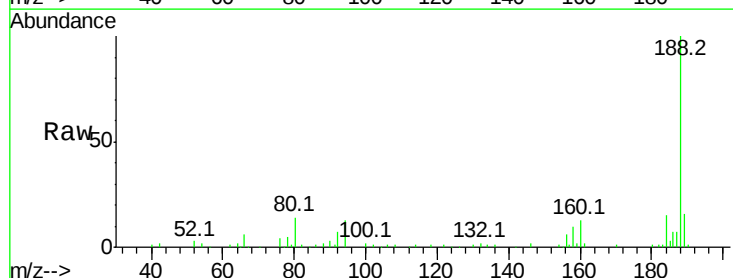
Tgt Ion:188 Resp: 150708

Ion Ratio Lower Upper

188 100

94 12.5 9.0 13.4

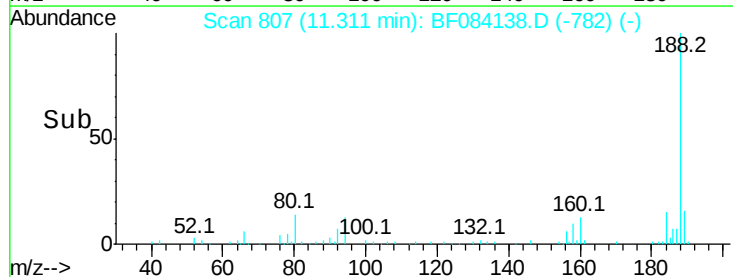
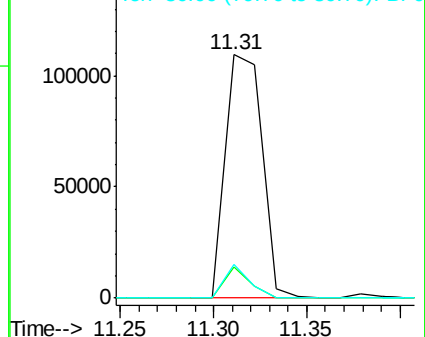
80 13.8 9.6 14.4

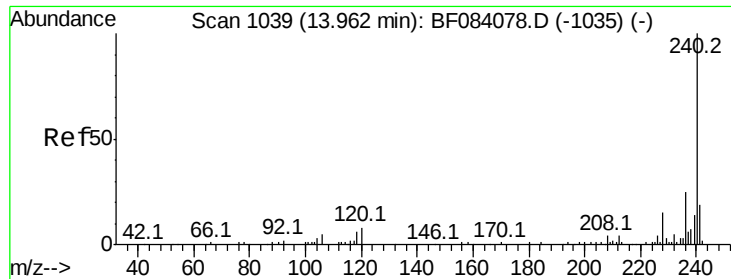


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

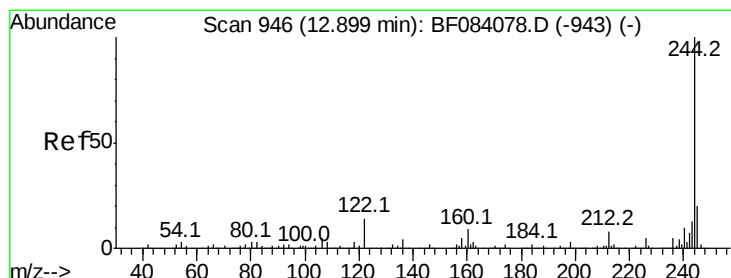
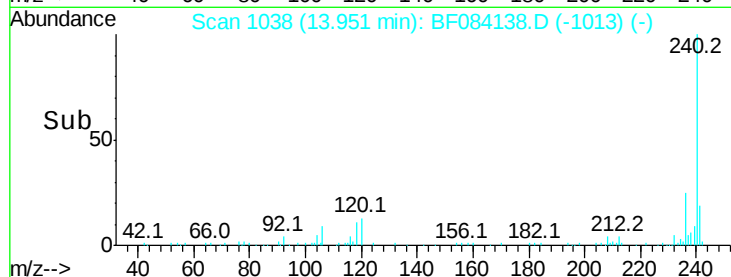
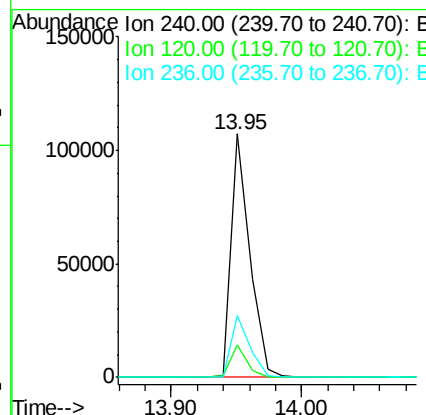
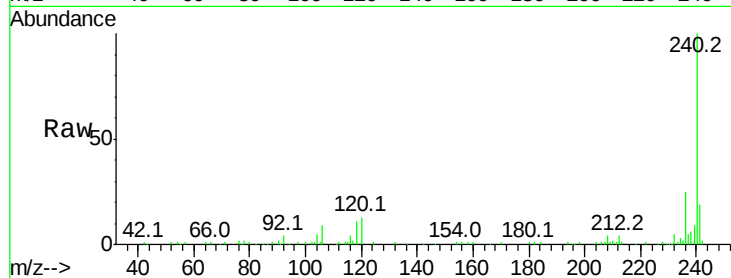




#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 13.95 min Scan# 1038  
 Delta R.T. -0.01 min  
 Lab File: BF084138.D  
 Acq: 25 Dec 2015 19:43

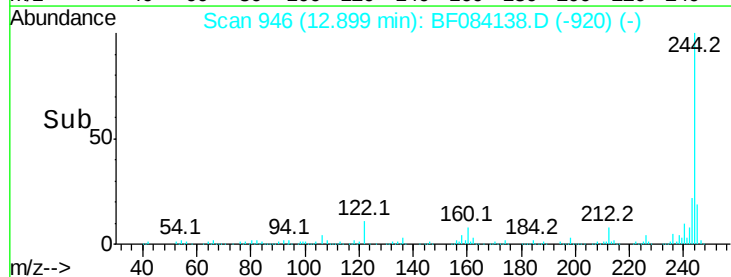
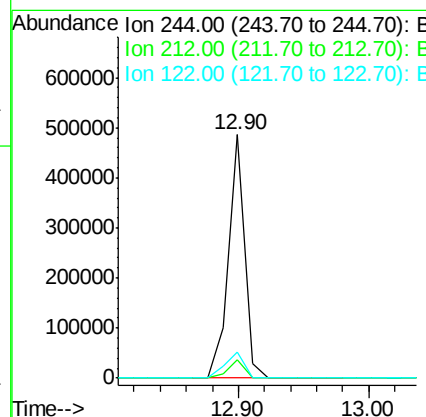
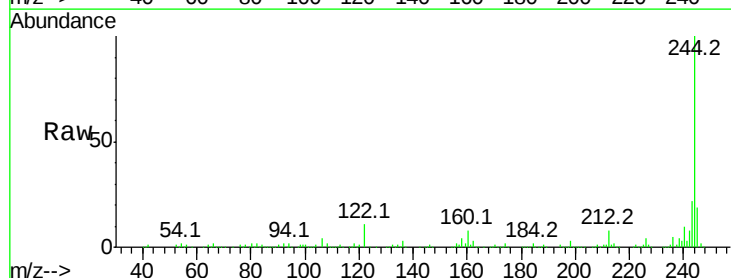
Instrument :  
 BNA\_F  
 ClientSampleID :  
 IM-CLAY-006

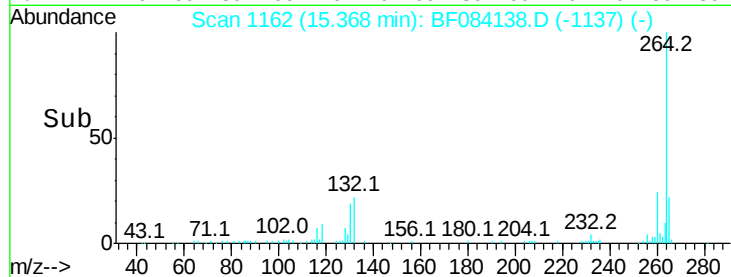
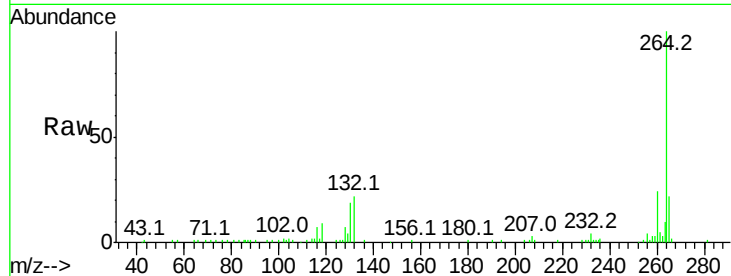
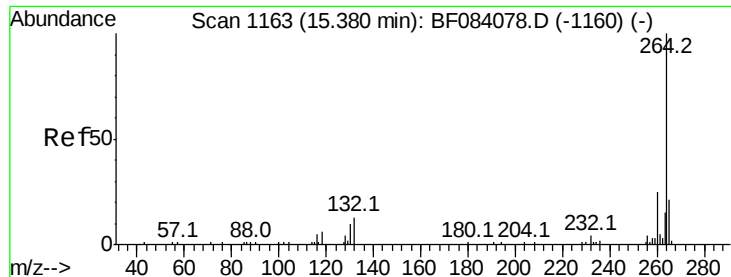
Tot Ion:240 Resp: 107494  
 Ion Ratio Lower Upper  
 240 100  
 120 13.3 9.5 14.3  
 236 25.5 20.6 31.0



#78  
 Terphenyl-d14  
 Concen: 71.38 ng  
 RT: 12.90 min Scan# 946  
 Delta R.T. 0.00 min  
 Lab File: BF084138.D  
 Acq: 25 Dec 2015 19:43

Tgt Ion:244 Resp: 424029  
 Ion Ratio Lower Upper  
 244 100  
 212 7.5 5.7 8.5  
 122 10.8 7.4 11.0





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.37 min Scan# 1162

Delta R.T. -0.01 min

Lab File: BF084138.D

Acq: 25 Dec 2015 19:43

Instrument :

BNA\_F

ClientSampleId :

IM-CLAY-006

Tot Ion: 264 Resp: 97469

Ion Ratio Lower Upper

264 100

260 24.0 19.4 29.2

265 22.1 17.8 26.6

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

