

Data Path : Z:\HPCHEM1\BNA F\DATA\BF033115\  
 Data File : BF078145.D  
 Acq On : 1 Apr 2015 7:53  
 Operator : TP/IZ  
 Sample : G1704-07  
 Misc :  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S-14(0-10)

Quant Time: Apr 01 08:29:26 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Mar 31 14:58:34 2015  
 Response via : Initial Calibration

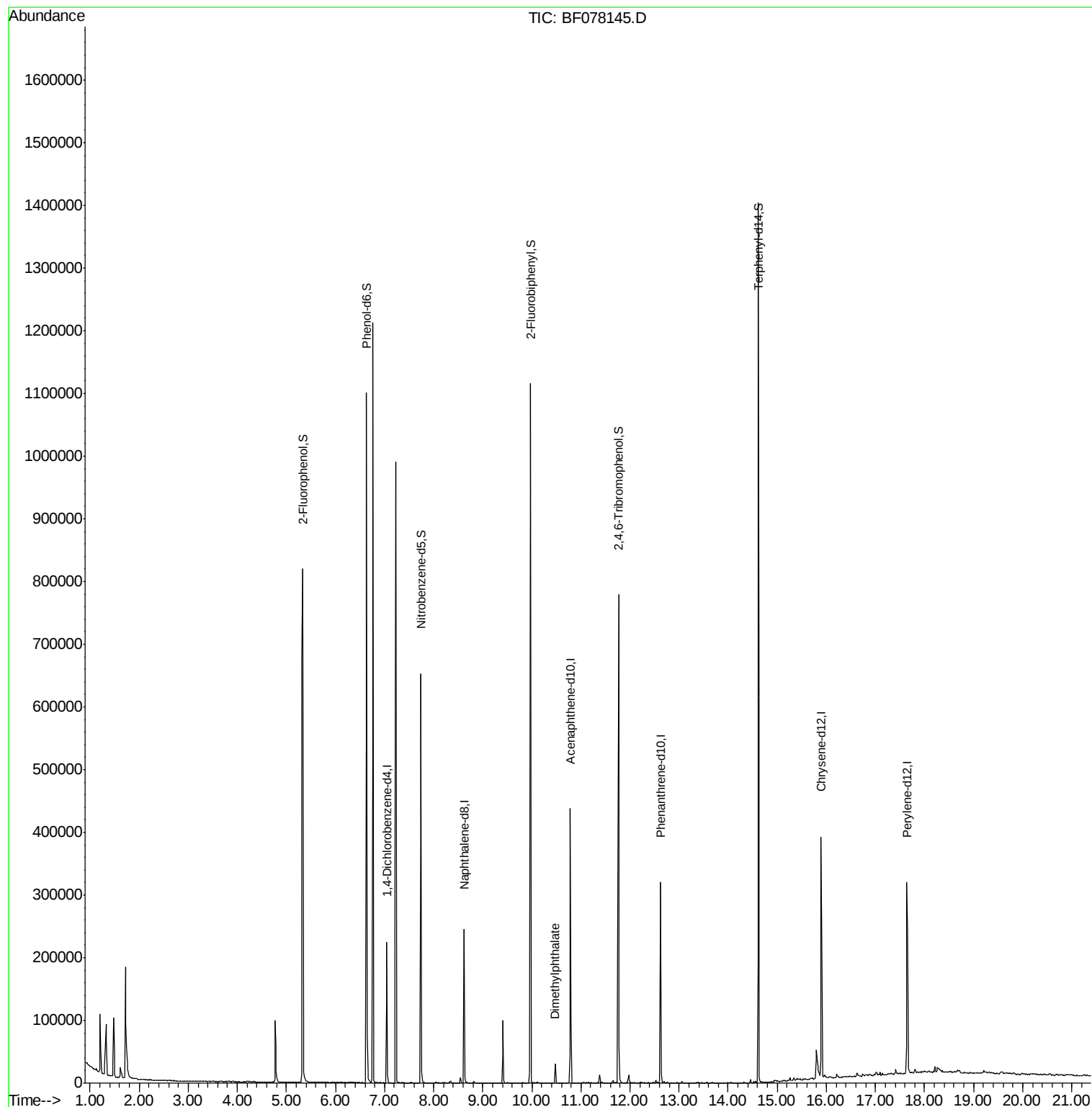
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 7.05  | 152  | 44240    | 20.00  | ng    | 0.00         |
| 21) Naphthalene-d8          | 8.62  | 136  | 176913   | 20.00  | ng    | 0.00         |
| 38) Acenaphthene-d10        | 10.78 | 164  | 89535    | 20.00  | ng    | -0.01        |
| 63) Phenanthrene-d10        | 12.63 | 188  | 173993   | 20.00  | ng    | 0.00         |
| 75) Chrysene-d12            | 15.89 | 240  | 171814m  | 20.00  | ng    | -0.09        |
| 86) Perylene-d12            | 17.64 | 264  | 160367m  | 20.00  | ng    | -0.26        |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.33  | 112  | 346627   | 136.76 | ng    | 0.00         |
| 7) Phenol-d6                | 6.64  | 99   | 464456   | 148.32 | ng    | 0.00         |
| 23) Nitrobenzene-d5         | 7.74  | 82   | 258184   | 95.66  | ng    | 0.00         |
| 41) 2,4,6-Tribromophenol    | 11.77 | 330  | 106116   | 123.87 | ng    | -0.01        |
| 44) 2-Fluorobiphenyl        | 9.97  | 172  | 525766   | 86.30  | ng    | 0.00         |
| 78) Terphenyl-d14           | 14.61 | 244  | 541254   | 76.95  | ng    | -0.02        |
| Target Compounds            |       |      |          |        |       |              |
| 49) Dimethylphthalate       | 10.48 | 163  | 13861    | 2.09   | ng    | Qvalue<br>99 |

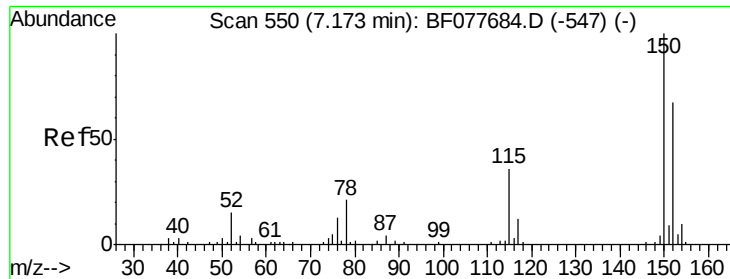
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 35 Sample Multiplier: 1

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QLast Update : Tue Mar 31 14:58:34 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.05 min Scan# 539

Delta R.T. -0.00 min

Lab File: BF078145.D

Acq: 1 Apr 2015 7:53

Instrument :

BNA\_F

ClientSampleId :

S-14(0-10)

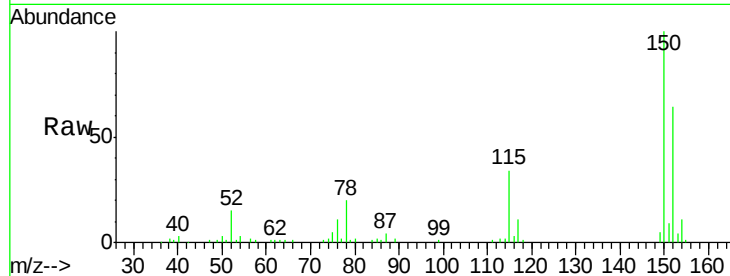
Tot Ion:152 Resp: 44240

Ion Ratio Lower Upper

152 100

150 156.4 119.5 179.3

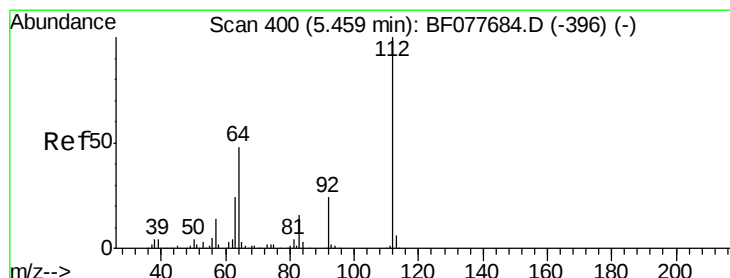
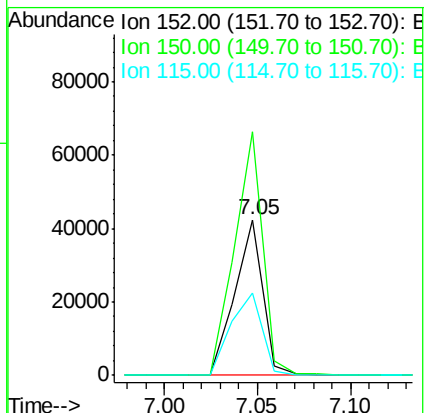
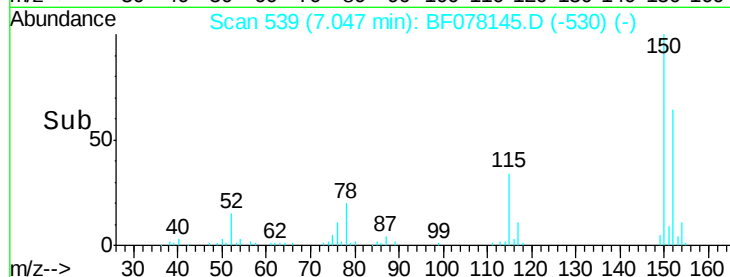
115 52.6 43.0 64.4



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: 136.76 ng

RT: 5.33 min Scan# 389

Delta R.T. -0.00 min

Lab File: BF078145.D

Acq: 1 Apr 2015 7:53

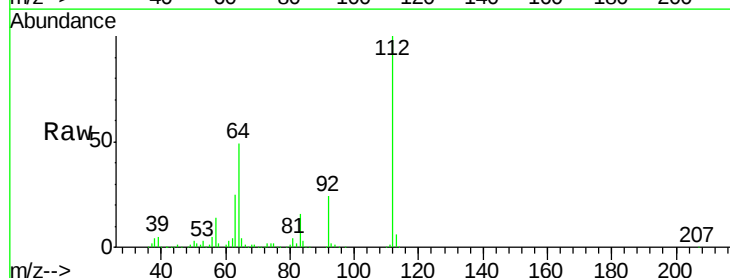
Tgt Ion:112 Resp: 346627

Ion Ratio Lower Upper

112 100

64 48.5 38.6 57.8

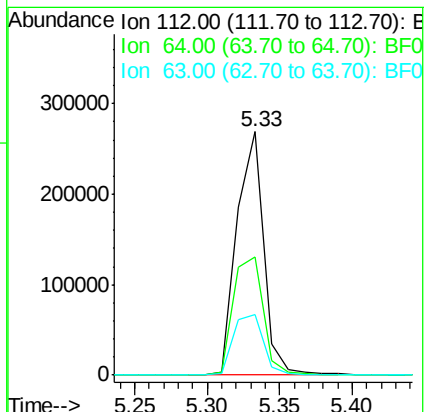
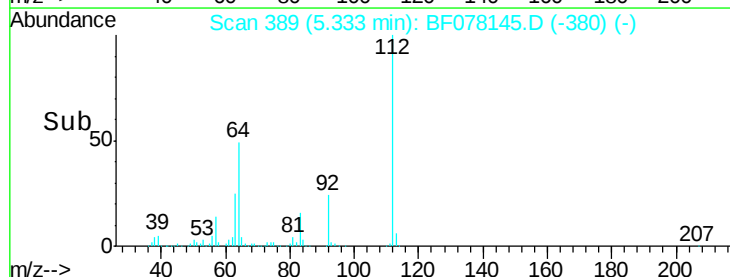
63 24.9 19.3 28.9

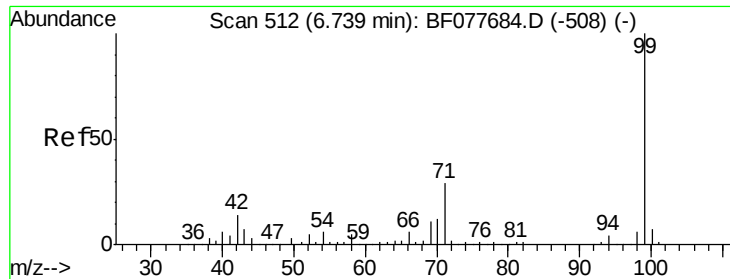


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 148.32 ng

RT: 6.64 min Scan# 503

Delta R.T. -0.00 min

Lab File: BF078145.D

Acq: 1 Apr 2015 7:53

Instrument :

BNA\_F

ClientSampleId :

S-14(0-10)

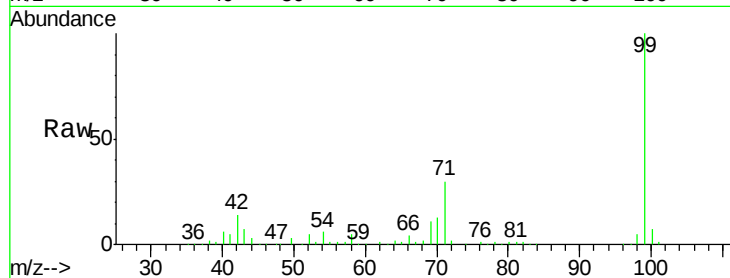
Tot Ion: 99 Resp: 464456

Ion Ratio Lower Upper

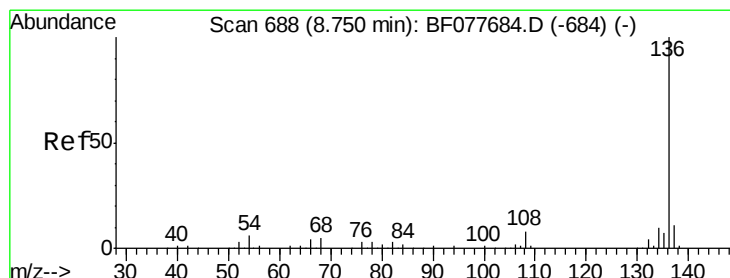
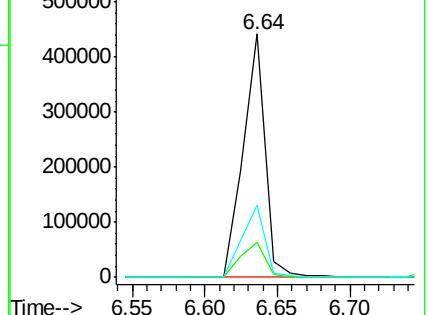
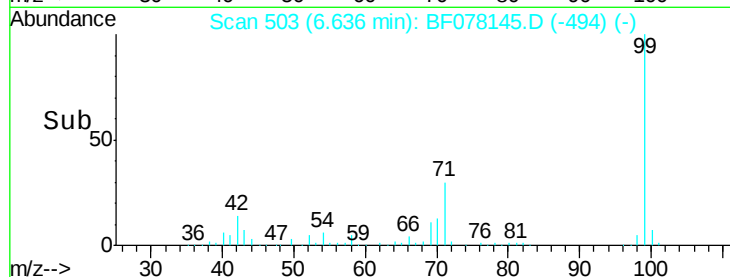
99 100

42 14.2 11.0 16.4

71 29.6 23.4 35.2



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: 8.62 min Scan# 677

Delta R.T. -0.00 min

Lab File: BF078145.D

Acq: 1 Apr 2015 7:53

Tgt Ion: 136 Resp: 176913

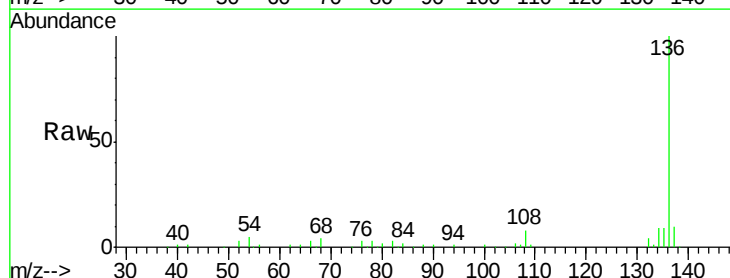
Ion Ratio Lower Upper

136 100

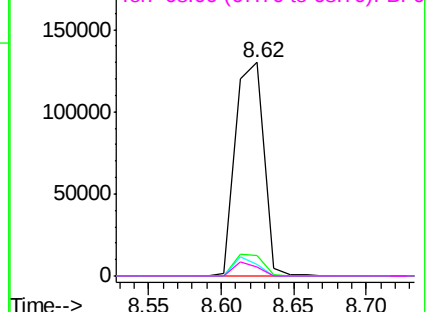
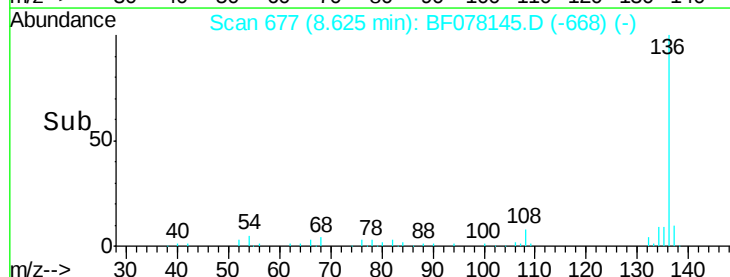
137 9.8 8.7 13.1

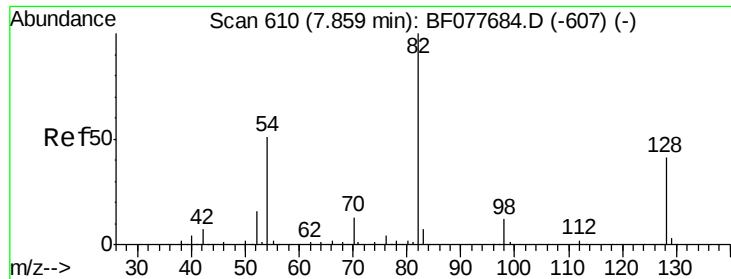
54 5.4 4.6 6.8

68 4.2 3.7 5.5



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

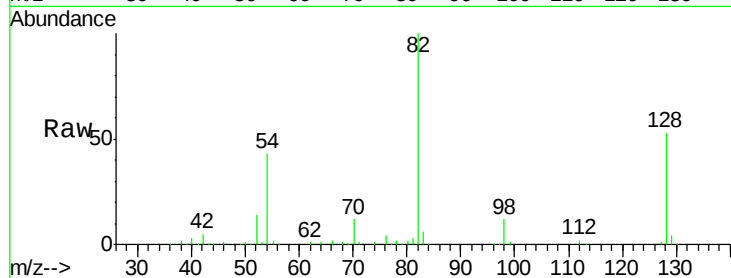




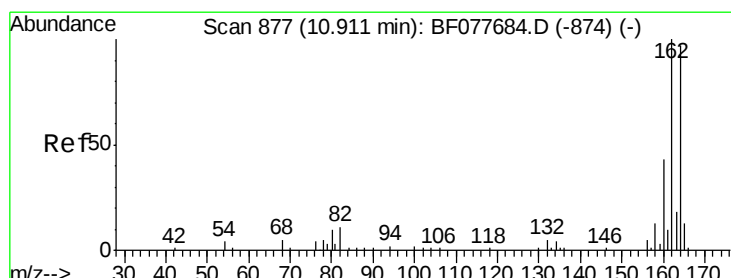
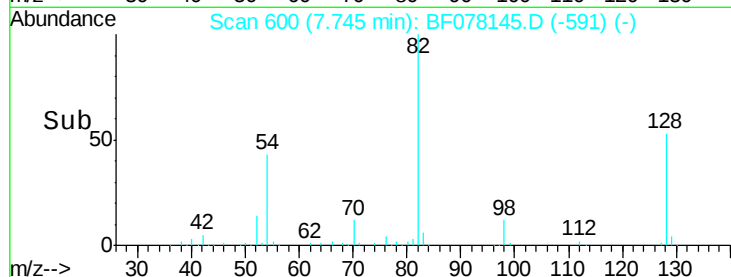
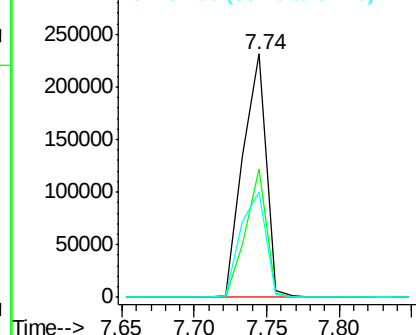
#23  
 Nitrobenzene-d5  
 Concen: 95.66 ng  
 RT: 7.74 min Scan# 600  
 Delta R.T. -0.00 min  
 Lab File: BF078145.D  
 Acq: 1 Apr 2015 7:53

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S-14(0-10)

Tot Ion: 82 Resp: 258184  
 Ion Ratio Lower Upper  
 82 100  
 128 52.6 32.8 49.2#  
 54 43.2 40.6 60.8

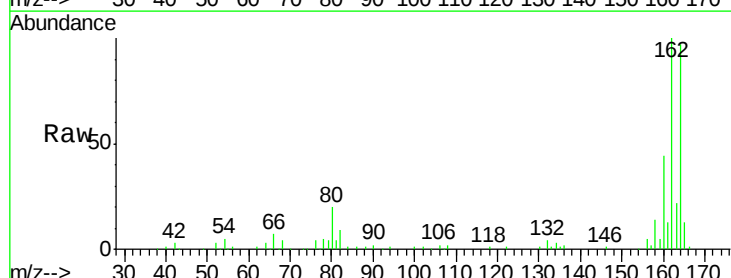


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): B  
 Ion 54.00 (53.70 to 54.70): BF0

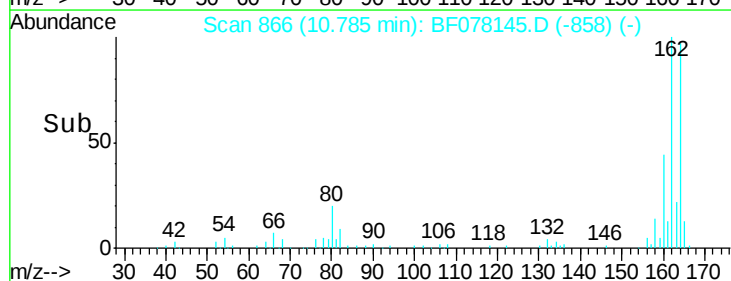
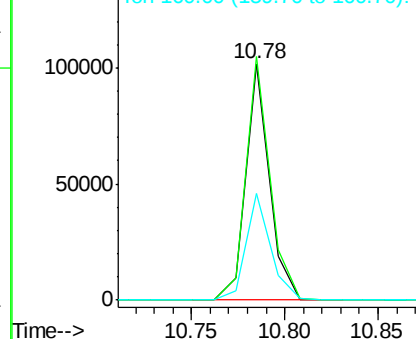


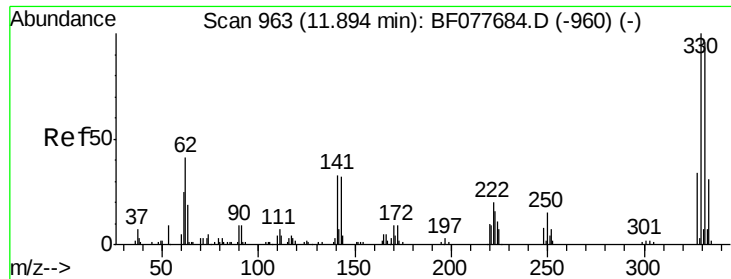
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 10.78 min Scan# 866  
 Delta R.T. -0.01 min  
 Lab File: BF078145.D  
 Acq: 1 Apr 2015 7:53

Tgt Ion:164 Resp: 89535  
 Ion Ratio Lower Upper  
 164 100  
 162 103.1 82.4 123.6  
 160 45.1 35.8 53.6



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

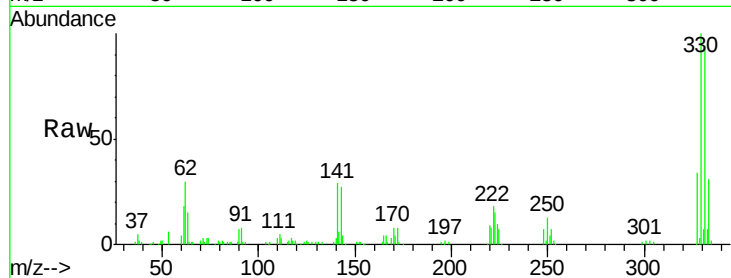




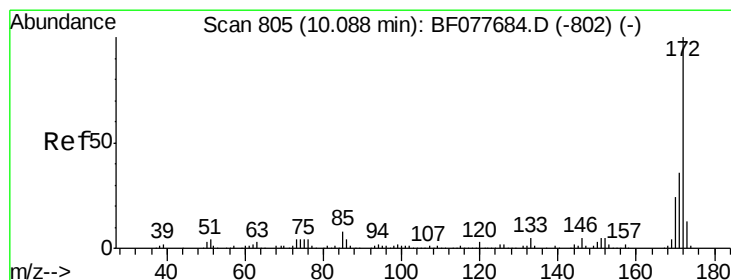
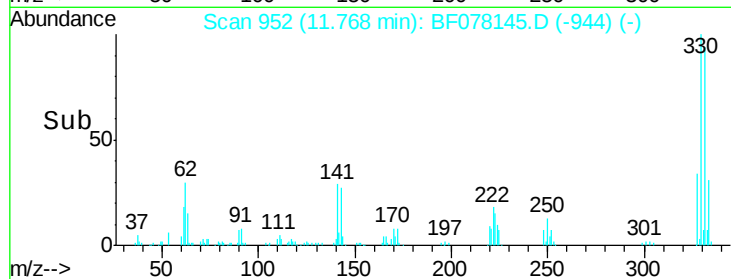
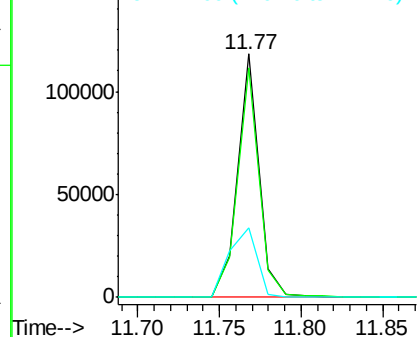
#41  
 2,4,6-Tribromophenol  
 Concen: 123.87 ng  
 RT: 11.77 min Scan# 952  
 Delta R.T. -0.01 min  
 Lab File: BF078145.D  
 Acq: 1 Apr 2015 7:53

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S-14(0-10)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.2  | 0.0   | 0.0#  |
| 141     | 38.1  | 0.0   | 0.0#  |

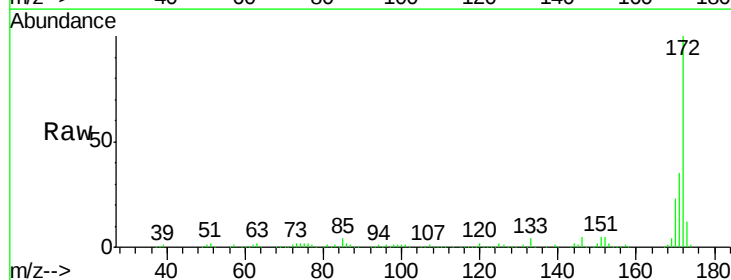


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

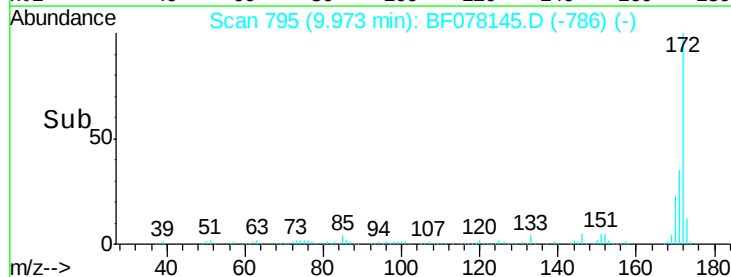
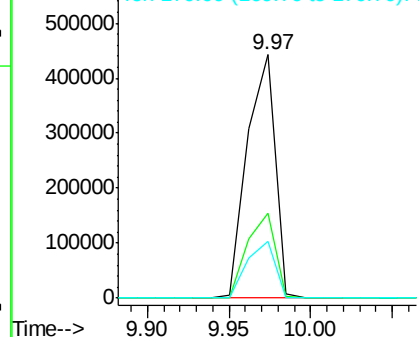


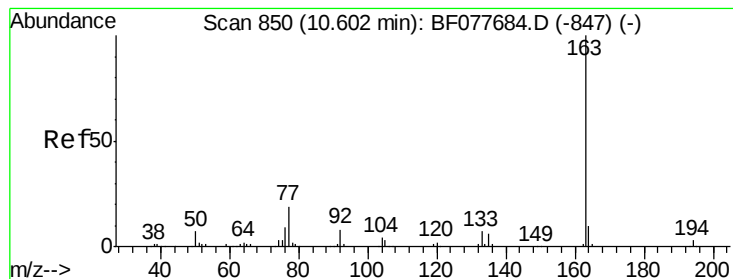
#44  
 2-Fluorobiphenyl  
 Concen: 86.30 ng  
 RT: 9.97 min Scan# 795  
 Delta R.T. -0.00 min  
 Lab File: BF078145.D  
 Acq: 1 Apr 2015 7:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.9  | 28.5  | 42.7  |
| 170     | 23.0  | 18.8  | 28.2  |



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: 2.09 ng

RT: 10.48 min Scan# 839

Delta R.T. -0.01 min

Lab File: BF078145.D

Acq: 1 Apr 2015 7:53

Instrument :

BNA\_F

ClientSampleId :

S-14(0-10)

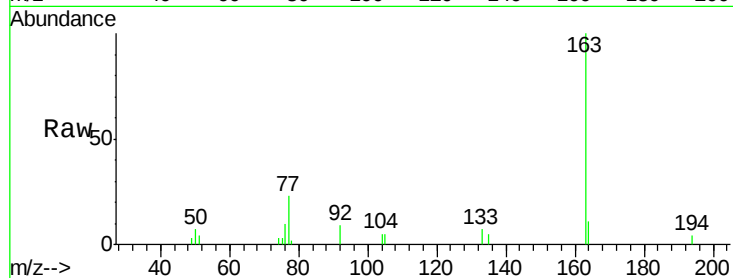
Tot Ion:163 Resp: 13861

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

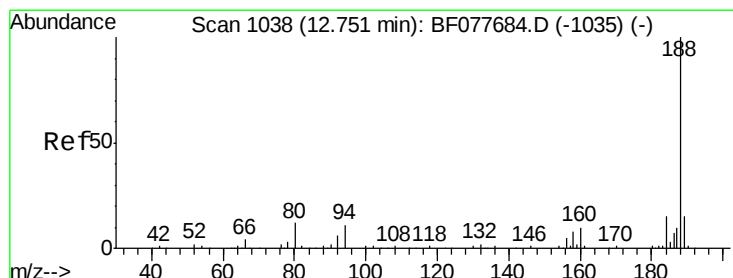
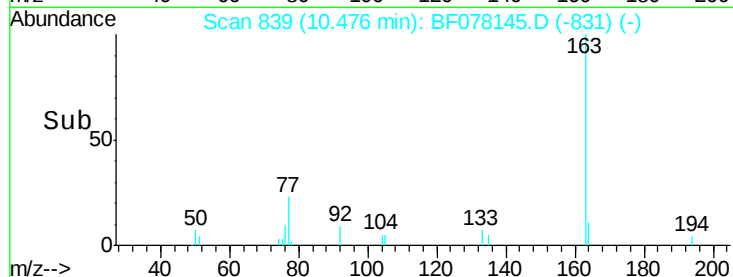
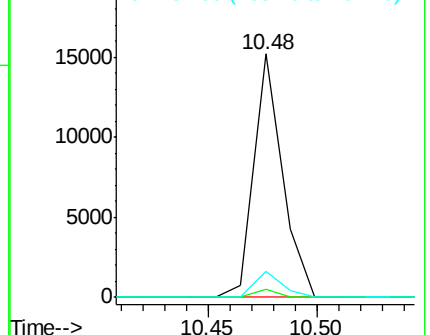
164 10.8 8.2 12.2



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: 20.00 ng

RT: 12.63 min Scan# 1027

Delta R.T. -0.00 min

Lab File: BF078145.D

Acq: 1 Apr 2015 7:53

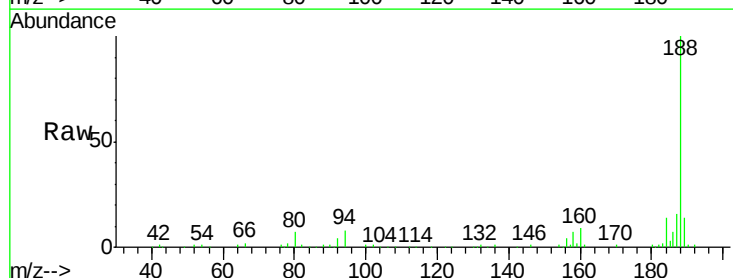
Tgt Ion:188 Resp: 173993

Ion Ratio Lower Upper

188 100

94 7.5 8.7 13.1#

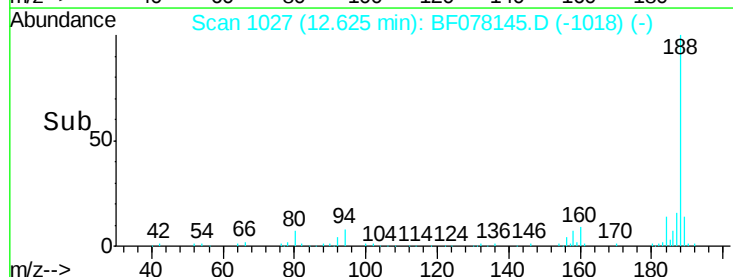
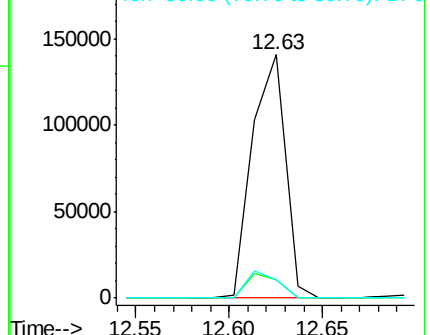
80 7.4 9.3 13.9#

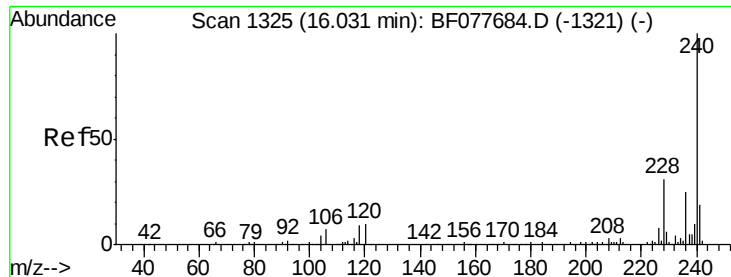


Abundance Ion 188.00 (187.70 to 188.70): E

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/mL

RT: 15.89 min Scan# 1313

Delta R.T. -0.09 min

Lab File: BF078145.D

Acq: 1 Apr 2015 7:53

Instrument :

BNA\_F

ClientSampleId :

S-14(0-10)

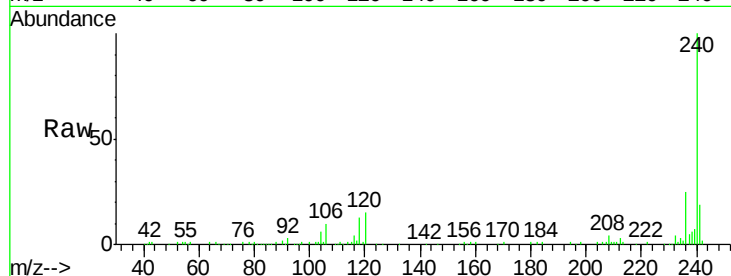
Tot Ion:240 Resp: 171814

Ion Ratio Lower Upper

240 100

120 15.5 8.2 12.2#

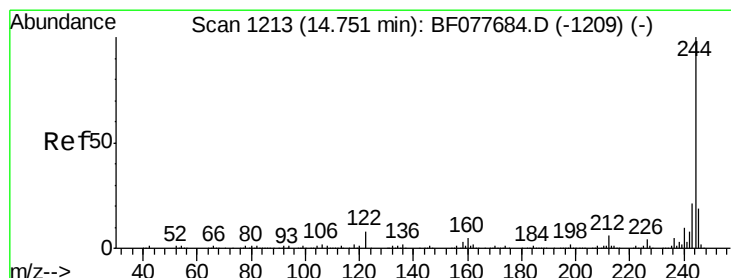
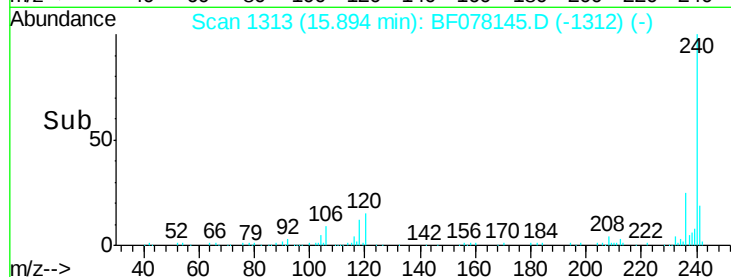
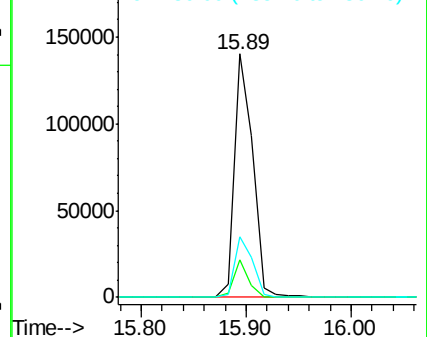
236 25.1 20.0 30.0



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: 76.95 ng/mL

RT: 14.61 min Scan# 1201

Delta R.T. -0.02 min

Lab File: BF078145.D

Acq: 1 Apr 2015 7:53

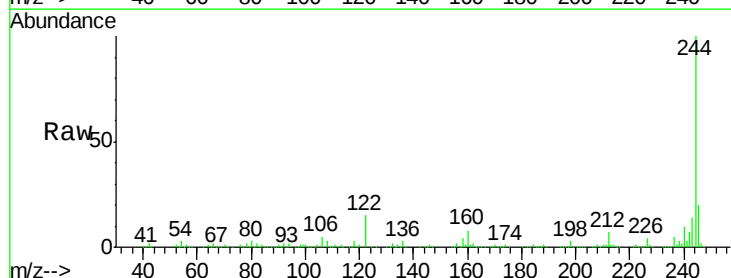
Tgt Ion:244 Resp: 541254

Ion Ratio Lower Upper

244 100

212 6.9 4.9 7.3

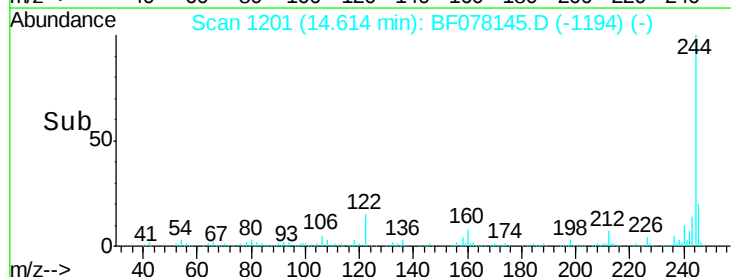
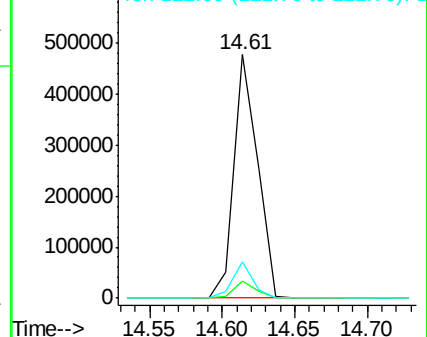
122 14.8 6.2 9.4#

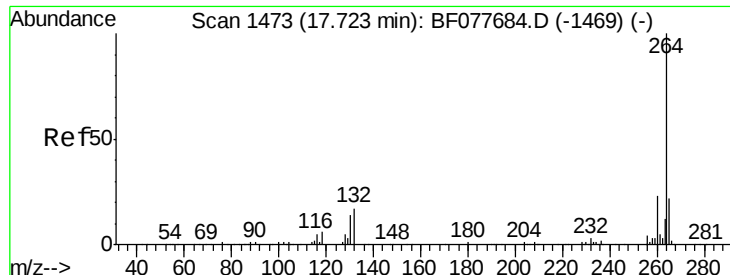


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

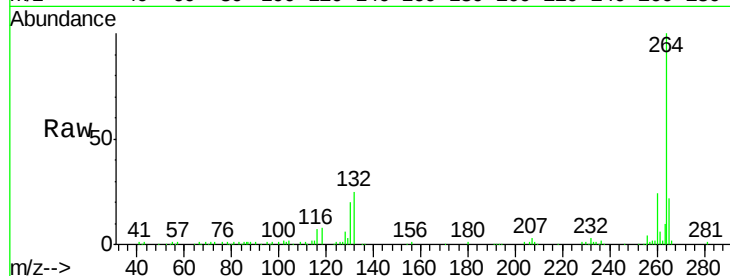




#86  
 Pervlene-d12  
 Concen: 20.00 ng m  
 RT: 17.64 min Scan# 1466  
 Delta R.T. -0.26 min  
 Lab File: BF078145.D  
 Acq: 1 Apr 2015 7:53

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S-14(0-10)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.1  | 18.6  | 27.8  |
| 265     | 22.3  | 17.3  | 25.9  |



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

